

CORTIS, ON STAND,
DENIES ANY PART IN
'PRINCIPAL' TELEGRAM

Kansas Republican Leader
Refuses to Be "the Goat"
and Satisfies Committee
He Is Not the "Prin-
cipal," Despite Bennett's
Testimony.

McLEAN EMPLOYEE'S
PAST DELVED INTO

Editor Revealed as "Trusted
Messenger" Who Carried
Communist of Morse's
Sentence From White
House.

By CHARLES G. ROSS,
Chief Washington Correspondent of
the Post-Dispatch.
WASHINGTON, March 8.—To-
day's session of the Senate Oil
investigating committee—a highly
dramatic session that kept the
committee and a big audience on
edge—saw a sharp issue of veracity
drawn between Senator Charles
Curtis of Kansas, Republican, whip
of the Senate, and Ira E. Bennett,
editor of the Washington Post.

The committee adjourned late to-
day until Tuesday.

Curtis declined to permit him-
self to be made a "goat," and in
so doing he obviously had the full
sympathy of the entire commit-
tee, Democrats and Republicans
alike.

Bennett swore yesterday that
Curtis was the "principal" in the
famous message that the editor
sent to E. B. McLean, owner of the
Washington Post, at Palm Beach,
Jan. 25, last, Bennett attempted
to explain the message by saying
that it was based in part on a
talk he had had with Curtis and in
part on impressions he had gathered
at a White House conference of the
President with the newspaper cor-
respondence.

Denies President Is "Principal."
He denied that the President was
the "principal" to whom he had
delivered a message from McLean
and who replied with an expres-
sion of great appreciation.

After Curtis' testimony today, it
looks as if the McLean people will
have to find a new "principal."

For Curtis showed, to the evi-
dent satisfaction of the committee,
that he was not the man referred
to in the message. He had, how-
ever, testified, making substan-
tially the same statement as
that he gave to the newspapers yester-
day, Bennett was recalled to the
stand and said that the Senator
must have forgotten one or two
other conversations that he had
with Curtis.

Now that Bennett had so testi-
fied as to Curtis, who had
gone to a meeting of the Fi-
nancial Committee, he hastened
back to the hearing room, got per-
mission to resume the stand and
regard the testimony of the
McLean employee.

"Not Very Close," Daugherty.
Incidentally, it came out during
the examination of Bennett that
he had assisted in getting a com-
munist of sentence from Presi-
dent Taft for Charles W. Morse,
a New York banker, who was
let out of the Atlanta Federal
Penitentiary on the representation
that he was on the verge of death
from Bright's Disease.

Referring to a telegram by Ben-
nett to McLean, telling of a con-
ference Bennett had had with
Daugherty, Senator Walsh asked
the witness how close were his re-
lations with Daugherty.

Bennett replied that they were
"not very close." He said he had
not met Daugherty in the cam-
paign of 1920. Walsh then pulled
record on him.

The record showed that Bennett
had been associated with what
McLean, father of E. B. McLean,
and with Harry M. Daugherty,
Thomas B. Felder in getting Morse
out of jail. It showed, in fact,
that Bennett was the "trusted
messenger" who carried the
White House and brought back the
commutation papers.

When Walsh remarked, after
reading from the record, that Ben-
nett evidently had been associated
with Daugherty in the Morse par-
don matter, Bennett replied, with-
out hesitating an eye:
"Oh, yes, that's true. I met him
at that time. I knew he was try-
ing to get Morse out, and I was
continued on Page 2, Column 4.

REFUSES TO BE "GOAT"

SENATOR CHARLES CURTIS OF
KANSAS.WILL SEE IF OIL
MEN PROMOTED
MEXICAN REVOLT

Senator Wheeler Expects to
Prove Fall and Doheny
and Sinclair Interests
Were in Plot.

By the Associated Press.
WASHINGTON, March 8.—Wit-
nesses subpoenaed from the south-
west by the Senate committee in-
vestigating Attorney General
Daugherty will be asked about the
alleged activities of American oil
men in promoting the present
Mexican revolution.

Senator Wheeler (Democrat),
Montana, said today he expected
to prove that former Secretary
Fall and the Doheny and Sinclair
oil interests participated in a con-
spiracy to further the revolt.

The witnesses will be asked,
Senator Wheeler said, whether
these interests participated in vi-
olations of American neutrality by
the shipment of arms and ammu-
nition across the border.

He declared former Department
of Justice agents would testify
that they were ordered from Wash-
ington to stop the work of break-
ing up gun running across the bor-
der.

"We expect to prove," said
Wheeler, "that the violation of
neutrality in the furnishing of
arms and ammunition to the revolu-
tionaries was in pursuance of an
agreement between some of the
revolutionary leaders and the oil
interests in the United States."

A leak in Texas of the names
of the witnesses subpoenaed is be-
ing investigated by members of the
committee.

"Real Estate
For Sale"

Is the title of an interesting
department in the classified
columns of the Post-Dispatch
daily and Sunday. It
is closely watched by both
real estate men and in-
vestors who know that here
they may choose from the
choicest offerings or meet
the best buying public.

It is rich with possibilities
for everyone who is inter-
ested in city or suburban
property.

Ready response to good real
estate buys is found among
the thousands of Post-Dis-
patch readers—a bigger city
audience by 78,000 than the
other Sunday newspaper
reaches.

Pen your proposition in the
form of an Ad and leave it
with or
TELEPHONE IT TO
The Post-Dispatch
Olive 6600 or Central 6600

HAD NO LICENSE,
BUT PERFORMED
80 OPERATIONS

Dr. Ernest Behagen, an
Englishman, Held by Po-
lice on Warrant—Faces
Possible Deportation.

WOMAN TELLS OF
LOSS OF AN EYE

Says Physician Used Needle
in Operation After Drop-
ping It on Floor—He
Says Charges Are Absurd

Dr. Ernest Behagen, 33 years
old, of the Plaza Hotel, who admits
having performed at least 80 op-
erations in St. Louis in the past
18 months although not licensed by
the Missouri State Board of
Health, is held today at police
headquarters.

A warrant charging him with
practicing without a license and
holding himself out to cure pa-
tients was issued today. Conviction
entails a fine of \$50 to \$500, or
imprisonment of 30 days to a year,
or both. As an alien, being a citizen
of England, Dr. Behagen also
faces possible deportation.

Dr. Behagen was arrested yester-
day, just after leaving the home
of Mrs. Viola Monko, 20, of 1933 1/2
Wright street, by Inspector Fish-
wick of the City Health Depart-
ment.

Mrs. Monko and her mother,
Mrs. Josephine Brune, told Fish-
wick that Dr. Behagen operated on
Mrs. Monko for "crossed eyes" on
Jan. 25, using a common sewing
needle, and that, after dropping
the needle on the floor, he picked
it up and resumed the operation
without sterilizing the needle. Mrs.
Monko's right eye became infected
and she has lost its sight and may lose
the sight of the left eye as well.

Says Charges Are Absurd.
The charges against him are ab-
surd and based on persecution, Dr.
Behagen says. The operation in
question, he asserted, was a minor
one for which he charged only
\$100. He used his own sterilized
surgical needle, took only one stitch
and did not drop it. The operation
was a "perfect success," he added.

When the physician was interro-
gated, he said he advised the pa-
tient to remain at home. In-
stead, he avers, she went out and
caught cold in the right eye, the
infection and blindness resulting.
"She would have been well today
if she heeded my advice," he main-
tains. Since the operation he says
he has made unavailing attempts to
see his patient and yesterday visi-
ted her home only to find other
physicians in charge. He was ar-
rested as he departed.

Applied for License.
Dr. Behagen thinks he is being
persecuted by the local medical
fraternity which he terms a "closed
corporation," and few of whose
members, in his opinion, are as
well qualified as he. He says he
was graduated from Lyola College,
Copenhagen, Denmark, and took
post-graduate courses under Dr.
Lawrence Fuchs at Vienna and at
the University of Chicago.

Coming to St. Louis 13 months
ago, he applied to the State Board
of Health for a license to practice,
on which he says no action has
been taken despite repeated re-
quests by him. One of the leaders
of the "persecution" against him,
he says, is a former street car con-
ductor whose medical studies con-
sist of a short course here and six
weeks under Dr. Fuchs.

Mrs. Monko is the mother of a
nine-months-old child. Dr. Behagen
recalls that she was recom-
mended to him by one of his other
patients, all of whom are said by
him to be satisfied with his work.

A warrant charging Dr. Behagen
with practicing without a license
in Illinois was issued Dec. 6, last,
to Health Commissioner Connors
of East St. Louis, who has been
looking for him ever since. The
complainant was Clara Renne-
camp, 2302 Farrar street, St. Louis,
who charged Dr. Behagen treated
her at an office on Missouri ave-
nue in East St. Louis, from last
September to December, charging
\$95. Her neck was troubling her
and he prescribed glasses among
other things, she said.

ITALO-RUSSIAN PACT RATIFIED
By the Associated Press.
ROME, March 8.—Premier Mus-
solini and M. Jordanski, repre-
sentative of Russia, yesterday signed
the articles ratifying the treaty of
commerce, navigation and customs
between Italy and Russia.

Original of "Orphan Annie" Dies.
By the Associated Press.
INDIANAPOLIS, March 8.—Mrs.
Mary Alice Gray, 72, said to be the
original of James Whitcomb Riley's
poem, "Little Orphan Annie," died
here yesterday.

REED LOSES STATE,
MANAGER CONCEDES

Some of His Advisers Say
Senator May Drop Out
of Race for Presidential
Nomination—60 of First
70 Counties Reporting
Go Against Him.

MANY CONTESTS AT
CONVENTIONS TODAY

Little Comfort in Voting
for McAdoo—St. Louis
Ward Meetings Tonight
—Turbulence at Sessions
Out in State.

Democrats of Missouri, for the
second time in four years, yester-
day repudiated Senator James A.
Reed. Decisively they rejected his
plea that he be declared their
favorite son candidate for the
Democratic nomination for Presi-
dent. Of the first 70 counties to
report, 60 went against him.

So overwhelming was the re-
fusal of the rural counties to re-
ceive the Senator back into their
arms, that this morning Ed A.
Glenn of Louisiana, Mr. Reed's
campaign manager, conceded the
State was lost to Reed. He claimed
to have carried only nine coun-
ties outside of Kansas City and
admitted that the Senator will not
carry a single rural congressional
district, of which there are 12 as
compared to four in St. Louis and
Kansas City.

Some of Reed's advisers admit-
ted it was probable the reversal in
Missouri would end his campaign
for the nomination. Reed, who is
here, would say nothing for pub-
lication.

Not Wholly Unexpected.
Reed's defeat is not altogether
unexpected by him, as his final
speech at Louisiana yesterday af-
ternoon continued the statement
that even if he lost Missouri, he
wanted to drive the final nail in
the political coffin of William G.
McAdoo, his leading rival for Mis-
souri support.

The anti-Reed sentiment regis-
tered yesterday was voiced by Dem-
ocrats sitting as participants in
ward and township conventions
throughout the State to elect dele-
gates to their county conventions
today. The meetings today will
name delegates to the Democratic
State Convention at Springfield
April 15.

Although instructions for or
against Reed which will be carried
by delegates to the State Conven-
tion will not have been determined
until today in the county conven-
tions, the verdict of the township
meetings yesterday is regarded as
final in effect.

That verdict, however, carries
small satisfaction to McAdoo, for
few if any of the counties on basis
of the returns from their township
meetings will endorse that candi-
date. The issue, as the returns in-
dicate, is not McAdoo versus
Reed, but Reed alone.

Reed's Waterloo comes at the
end of a campaign which in the
beginning disarranged careful
plans of both Reed and anti-Reed
Democrats to assure party har-
mony in Missouri by supporting
former Governor Gardner as the
State's favorite son for the presi-
dential nomination.

In his attempted comeback in
Missouri, Democratic politics Reed
has been opposed by most of the
powerful leaders in the State or-
ganization outside of those in St.
Louis and Kansas City. His fight
was handled by practically the
same organization which managed
his campaign for the Senate two
years ago, in which he first de-
feated Breckinridge Long for the
Democratic nomination and then
triumphed over R. R. Brewster,
the Republican nominee, at the
general election. It often has been
charged that Reed was nominated
and elected by Republican "big
game" hunters who wanted a
Democratic primary to help nomi-
nate him, and then scratched their own
tickets at the general election to
finish the job of returning him to
the State.

In the present fight Reed has
been without that help, as his op-
ponents through their control of
the State Committee made certain
in their call for the convention
that only "known Democrats"
should participate.

What Defeat Means.
Missouri will have 26 votes in
the National Convention, which
four will be cast by eight delegates
at large with a half vote each and
that only "known Democrats"
should participate.

Order Your Copy
Today

Continued on Page 6, Column 2.

LESS THAN TEN PER
CENT OF MISSOURI
COUNTIES FOR REED

SENATOR REED, in St.
Louis today, declined to
comment on outcome of the
township and ward meetings
yesterday, indicating that he
will have nothing to say for
publication before he departs
for Washington, which prob-
ably will be at 4 p. m. today.
The Senator was in good
spirits, although his manager
would claim only 10 of the 114
counties of the State for Reed,
and conceded that he would
carry none of the rural con-
gressional districts.
The 10 counties which are
claimed for Reed are Audrain,
Benton, Dallas, Shelby, Cooper,
Cole, Warren, Ste. Genevieve,
Perry and Jackson. These con-
stitute less than 10 per cent of
the counties of the State.

CLOUDY, WITH LITTLE
CHANGE IN TEMPERATURE

THE TEMPERATURES.
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4 p. m. 20 11 p. m. 38
5 p. m. 20 12 m. 38
6 p. m. 20 1 a. m. 38
7 p. m. 20 2 a. m. 38
8 p. m. 20 3 a. m. 38
9 p. m. 20 4 a. m. 38
10 p. m. 2

LEONARD WOOD JR. SUBPENAED BY OIL COMMITTEE

Will Tell of Overtures Made to His Father by Oil Interests in 1920 Presidential Campaign.

OFFER MADE DURING CHICAGO DEADLOCK

Says General Spurned Proposal of Support on Condition Jake Hamon Be Made Interior Secretary.

WASHINGTON, March 8.—The special Senate committee investigating Attorney-General Daugherty today issued a subpoena for Leonard Wood Jr. to question him regarding the story that a deal involving a cabinet appointment was proposed by oil interests at the Republican convention in Chicago.

Other prospective witnesses before the Daugherty committee include several Ohioans, politicians and other associates of Daugherty of Columbus and other cities. Their names are withheld.

WASHINGTON, March 8.—Leonard Wood Jr. was subpoenaed by the Senate Oil Committee last night after publication of a statement in which he declared that certain oil interests had offered for consideration to support his father, Major-General Leonard Wood, for the Republican presidential nomination in 1920.

According to the story told by Wood, the offer was made at the time of the deadlock in the Chicago convention and was conditioned upon the appointment of the late Jake Hamon, then Republican National Committee member from Oklahoma, to the post of Secretary of the Interior.

Senator Walsh of Montana, stated last night that subpoena also would be issued for Mrs. John W. Gorman, formerly Mrs. Clara Smith Hamon. The subpoena for Wood's appearance before the committee is returnable Wednesday, March 12.

Committee members indicated that his testimony might open up an entirely new field of inquiry.

Denies Knowledge of Details. Discussing the published statement in which he said he was told while attending the 1920 Republican convention that the late Mr. Hamon had approached his father with an offer conditioned on the former's appointment as Secretary of the Interior, Leonard Wood Jr. said he had no knowledge of any details of the offer that may have involved oil considerations.

"When I said that certain oil interests had made the offer, which I believe had my father accepted would have given him the nomination," Wood said, "I meant simply the personal interests of Mr. Hamon, who was, of course, in a large way interested in oil. It was told that Mr. Hamon had approached my father with an offer during an adjournment of the convention after it had reached a deadlock. I understood that it involved his appointment as Interior Secretary in case my father won the nomination and the election."

"I have no knowledge whatever that any oil considerations were involved in the offer or that it was anything more than the personal act of Mr. Hamon alone. That my father turned down the offer flatly I do know. After he had done so, reports were circulated at the convention that Gen. Wood had himself approached Mr. Hamon for delegate support, which the latter had offered. I recall definitely the reports made; my father very angry."

"I regret exceedingly that so much publicity has been given to my statement about the matter, but I was simply asked what I knew about it and I told it. I have absolutely nothing to tell the Senate Oil Committee about it, which I have not already said."

STATES OIL INTERESTS OFFERED TO SUPPORT FATHER FOR PRESIDENCY



LIEUT. LEONARD WOOD JR.

DETAILS OF PLAN BY EMPLOYERS TO ACT ON WAGES

Continued from Page One.

is "Where drop cloths, rags or rubber gloves are used, they shall be furnished to the workmen in a sanitary condition. No member of the union shall be discharged for refusing to work with unsanitary rags or drop cloths." With reference to work outside the city limits under the present demands members of the union could not leave the city limits before 7:45 a. m. These demands were declared by employers as being "not worth considering."

Members of the new organization point out that their dealings with demands here are being watched by employers' groups in other cities.

The organization received a telegram yesterday from the Chicago employers' group, urging a \$1.25 hourly scale for skilled workers and stating "that to concede to excessive demands is to jeopardize conditions elsewhere."

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SAYS WINE, WOMEN AND SONG MADE HIM STEAL \$3800

Bookkeeper for Paper Company Admits Forging Payroll Checks Regularly Since Last August.

ARRESTED FOLLOWING AUDIT OF ACCOUNTS

Prohibition Started His Downfall, He Says, and He Kept "on One Continual Drunk."

Dapper and neatly dressed, Harry J. Fowler, a \$175-a-month bookkeeper for the Federal Paper Stock Co., 1514 North First street, admitted today that he had stolen about \$3800 from his employers by forging payroll checks, since last August. He used an old bromide to explain his downfall—wine, women and song.

He was arrested after leaving the office of a bonding company, where he had repeated a confession made previously to his employers. Two warrants were issued, charging him with second-degree forgery, based on two particular checks, and about 100 other checks are being investigated.

His shortage was discovered in an audit made after he had reported for work one day, apparently intoxicated.

To reporters at Police Headquarters, Fowler, who is 32 years old and lives at the Washington Hotel, said:

"Wine, women and song—that explains it all. I've been working for this company about a year and a half years for a pretty good salary. I'm a fellow who always wants something he can't get. Prohibition pounded it into my head that there was nothing I couldn't get, so last August I started to show 'em I could get all the booze I wanted."

"I was on one continual drunk. I'd go to the office sober, but could hardly walk to a pretty good salary. The Washington Hotel was a mecca till Charlie O'Neil was killed."

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Curtis Refuses to Be "The Goat" and Satisfies Committee He Is Not Man Called the 'Principal'

Continued from Page One.

also trying, much to my present regret."

Bennett said he had not the slightest recollection of having held the Morse pardon in his hand, but admitted that he did see President Taft and suggest that the banker be pardoned.

The testimony about the Morse pardon doubtless helped to confirm Senator Adams in his attitude toward the witness. At one point Bennett tried to put the committee in the wrong by suggesting it was showing a disposition to "suppress" evidence. That he called the committee, and Walsh, fixing him with a cold, glittering eye, told him flatly that his remarks on that point were gratuitous and entirely improper.

Then Adams came in. Adams had not joined his colleagues in voting to require the witness to tell in detail about one of his alleged talks with Curtis. Adams explained:

"By reason of my own judgment, I won't ask you to testify. I didn't vote to make you testify."

And later on Adams said: "One Senator, at least, thinks it utterly immaterial what you say."

There was a sneer in his voice. The date of the "principal" message was Jan. 23. It was sent "rush." It bore on its face evidence that it conveyed fresh information. The date of the message needs to be borne in mind in analyzing Bennett's testimony.

Curtis testified that Bennett and Major, a confidential agent of McLean, came to him about the 2d of January to ask him to keep McLean from being summoned before the committee. He suggested that they see someone on the Democratic side. Later in the same day, Curtis said he reported Senator Underwood in the Senate chamber. Underwood said that Bennett and Major, on the same mission, had called on him, but a subpoena had already been issued. He did not recall seeing Bennett again till Jan. 20, which was the day that Senator Norris attacked McLean in the Senate. The conversation then had made to a member of McLean's family. Bennett asked him to see about getting the bonus and tax reduction, and Curtis told him that McLean had already agreed to do this.

Curtis testified that Senator Walsh of Montana was one of those who had urged Norris to edit his remarks in the published record.

Never Delivered Any Message. Now this conversation took place the day after the "principal" message was sent. It must, therefore, be ruled out of evidence in considering whether Bennett told the truth when he called Curtis "principal" before the committee. He boasted that his forgeries must have been pretty good, "because they went through the bank." He had \$10 when arrested. That he said was nothing I couldn't get, so last August I started to show 'em I could get all the booze I wanted."

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Founded by JOSEPH PULITZER
Dec. 12, 1878.
Published by the Pulitzer Publishing
Company, Twelfth Boulevard
and Olive Street.

THE POST-DISPATCH PLAT- FORM

I know that my retirement will make no difference in its cardinal principles, that it will always fight for progress and reform, never tolerate injustice or corruption, always fight demagogues of all parties, never belong to any party, always oppose privileged classes and public plunderers, never lack sympathy with the poor, always remain devoted to the public welfare, never be satisfied with merely printing news, always be drastically independent; never be afraid to attack wrong, whether by predatory plutocracy or predatory poverty.

JOSEPH PULITZER.
April 10, 1907.

LETTERS FROM THE PEOPLE

The name and address of the author must accompany every contribution, but on request will not be published. Letters not exceeding 200 words will receive preference.

Waterman Avenue Wants Bus Line.

To the Editor of the Post-Dispatch:
We note with regret that the bus service on Waterman avenue is going to be discontinued, on account of a number of objections. I do not believe the majority of residents want this service discontinued, as people who have no cars or whose cars are temporarily out of service find this bus line very convenient, as it gives us transportation service to many places where the street cars do not touch, such neighborhoods as Kingshighway and Lindell, all the way to Grand, passing many churches, clubs, etc., and making a great deal more pleasant and safe for women to attend these places alone in the evenings, besides a means of transporting older people to whom the street car is not practical or convenient, not to mention that the University students have a rapid and easy way of getting out to the University, when they do not care to walk. I do not think it shakes the house so much more than the street car that pass here almost every minute in the day. And as for people looking into apartment windows—all of us have shades, which can be pulled down. I believe if a canvass were made, the majority vote would be for the buses to continue on Waterman; in spite of a few people of nerves; the trouble is that the people who do want them have had no occasion to express the feelings about the matter and the objectors have had their way, but it is not too late for the residents on Waterman to express themselves on this subject, and should the majority vote be the buses back, I think the motor bus people will be glad to comply. Personally, I think this motor bus was one of the best means of boosting St. Louis, as strangers could view some of the beautiful scenery from the bus and thereby realize why and how it is a good place to live in.
"A WATERMAN AVENUE RESIDENT."

Another Bus Line Needed.

To the Editor of the Post-Dispatch:
THE United Railways Co. has met with big competition in the People's Motor Bus Co., and has entered protest to curb any future possibilities of the bus company. St. Louis better means of transportation.
Let us hope this protest and any made in the future will be denied, as we need better service than the Tower Grove, Southampton and a few other car lines can give.
A bus line running north from Kingshighway and Arsenal would be greatly appreciated, as it would eliminate the present slight-sewing trip that the people living in the southwestern part of the city must contend with if they wish to reach the central-western part of the city.
ALDEN W. WORTHEN.

Another Street in Bad Order.

To the Editor of the Post-Dispatch:
AFTER reading in your People's Column complaints from your readers about the city streets being in poor condition, I think the residents in some sections of Carondelet have one real kick. One street in particular, South Compton avenue, from Hill street to Wilmington avenue, is in very poor condition. In inclement weather, this street is practically impassable. The Bellefontaine car line runs on part of this street, from \$600 to \$600, and much time is lost from heavy hauling wagons getting stuck in the mud along the tracks. It is a wonder the Street Department don't try to remedy this condition. We believe there is a bill before the Board of Aldermen to construct this street, so here's hoping that bill goes through. Most of the property owners that I have spoken to are in favor of this improvement. So let us wake up, Carondeletians, and have not only this street but all of our streets improved. I write to the Post-Dispatch because that paper is in favor of any improvement that will be a benefit to any of its readers.
FOR IMPROVING CARONDELET.

Where Is Spencer Jordan?

To the Editor of the Post-Dispatch:
WILL you please give these few lines a little space in your paper? Where is Spencer Jordan, the slayer of Patrolman Michael Finn? Is he at large wearing a medal for slaying a patrolman? Is he the bosom friend of some great politician, or is he a powerful gangster and gunman, of whom some poor Judge is afraid? Where is he? The people of St. Louis have not forgotten this affair. It shall not be a freeze-out, and as long as St. Louis survives, the blood of this brave officer, which was spilled on Olive and Whittier, shall cry to high heaven for vengeance. Let justice be done.
A CONSTANT READER.

Restore Waterman Bus Line.

To the Editor of the Post-Dispatch:
I REJOICE in every allusion made in your paper to the discontinuance of the bus line on Waterman avenue west of Union. I, as well as many others in that district, wish to see it restored. How can we combine our efforts to do the most good to that end?
E. B. W.

"REED AND M'ADOO UNAVAILABLE."

The Missouri Democratic donkey proved that his head was bigger than his ears by kicking both Reed and McAdoo out of the presidential race.

Senator Reed's defeat is conceded by his managers and on the face of the returns the majority of the anti-Reed delegates are against McAdoo and for an instructed delegation to the national Democratic convention, the best result that could have been achieved for the party in the State and in the nation.

The depth, width and intensity of the opposition of the Democrats of Missouri to Senator Reed as a leader and candidate for the Democratic presidential nomination was demonstrated by his humiliating defeat in a campaign in which he had the advantage of compact, enthusiastic organization and which was led by himself. On the other hand, the opposition to Mr. McAdoo was demonstrated by the fact that in the face of the folly of the anti-Reed leaders in sticking to McAdoo, the majority of anti-Reed delegates are uninstructed for any candidate.

Both Reed and McAdoo are out of the running, a conclusion that will be acclaimed with satisfaction throughout the country.

DOWNTOWN PARKING.

Traffic experts were quoted by speakers at the conference of the Electric Railway Association as unanimously opposed to the parking of automobiles in the streets of the downtown congested district. According to Harland Bartholomew of the City Plan Commission there is parking space for only 2500 to 3000 machines in the congested district while 46,828 motor cars enter this area daily. The few who come first are served, while the vast majority are put to inconvenience.

Downtown parking presents a two-sided problem. Unquestionably it is a nuisance. It collects filth and hampers cleaning and flushing of the streets. It is a serious menace to life and property in case of fire. The objection felt most widely and keenly every day is the congestion of traffic. A line of stationary cars on either side of a narrow street reduces the traffic capacity of that street by one half. The only egress for vehicles is on the street car tracks or, as on Locust, in the single file of traffic in the center. This condition creates an intolerable blockade at the rush hour and costs street car riders as well as motorists an extra delay, perhaps as much as a half-hour, in getting home each night.

What can be done about it? The streets, of course, belong to the public for traffic purposes and not for the storage of private property. But the automobile, as a necessary factor in the conduct of the people's business, cannot be overlooked. Ultimately it would be less costly to provide parking space off the streets than to widen streets to permit the continuance of parking. Such parking places should be provided either privately or by the city for cost of service. Meanwhile the situation should be studied for relief measures. If the machines could be cleared out before the evening rush hour that would preclude the objectionable blockade at that period. The time is past due when a sound, reasonable and just program of remedy should be offered.

PRESIDENTIAL SANCTITY.

Senator Lodge has undertaken the most futile thing in the world when he brings the muzzle into the Senate in an attempt to prevent discussion of the President. Regardless of what he may attempt in the suppression of comment, there will always be wide divergence of opinion as to what may and may not be said with propriety about the chief executive.
That is a point, however, which calls for no ruling. Ours is a government of law under which the right of free speech is guaranteed. Any impropriety uttered against the President will bring its own punishment—the penalty of reaction against the person giving it utterance. Suppression of free utterance concerning the President, on the other hand, would be entirely futile. What people think and are forbidden, either by force or decorum, to say they will think twice as hard, and they will express unparaphrased in the ballot.
Presidential sanctity will take care of itself. When used to muzzle fact and discussion it is not an aid to the President but a handicap. Senator Lodge could not make a worse case for the President than by attempting by any means or method at his command to cut off free expression.

UNCHAINED.

(From the Brooklyn Eagle.)



DRY FICTIONS.

Two distinguished Englishmen have recently spoken kindly of American prohibition. Lloyd George, in his meteoric flight across our continent, observed that the only unemployed class here is the jailers. And Sir Auckland Geddes, former British Ambassador, told the guests of a wine-embellished London banquet that, "given the American problem and the American climate," he would be a prohibitionist. But moved to pity by the look of dismay and pain on the faces of his fellow diners, the ex-diplomat diplomatically hedged by remarking: "Fortunately I am not given the American climate."

Lloyd George would have an unhappy time of it if questioned as to his assertion. Has any city of any size in the United States abolished its police force since prohibition? Have not most of them enlarged their police departments, or tried to, because of the excess of crime? Hasn't one of our largest cities put itself under the control of a military dictator from Washington? If crime has been eliminated or substantially reduced, how are the congested dockets of the criminal courts to be explained? Why has it been necessary to increase the number of Judges? Why does the mounting cost of enforcement call for bigger enforcing agencies and steadily growing appropriations?

As for "the best minds of the best people," whose prohibition conviction the former British Ambassador referred to, who are they? There are many weighty figures in the industrial world, as everybody knows, who are strong for prohibition for their workers, but not for themselves. Most of our cowardly politicians preach prohibition eloquently and practice it not at all. Many estimable people of narrow lives and outlook, with no knowledge of the world and no sympathy with the problems of life, are for prohibition for everybody for unenlightened and often fanatical reasons. But what really first-class mind in the United States can Sir Auckland Geddes point to as approving prohibition?

The plain truth is that Mr. Lloyd George and Sir Auckland Geddes have made misstatements—an inexcusable offense in men of their eminence.

PASSING "THE HELL" TO ST. LOUIS.

Shall St. Louis continue to suffer unabated smoke indefinitely because the city government cannot settle a quarrel with itself? That is the prospect which now faces the city. The smoke ordinance will die in committee when the present session of the Board of Aldermen ends in about a month, unless either the Board of Estimate, controlled by Mayor Kiel and Comptroller Nolte, or the Public Utilities Committee of the Board of Aldermen yields on the point in controversy.

The Board of Estimate wants smoke abatement to be administered by the Department of Public Utilities. The ordinance calls for administration by a separate department, under which arrangement, the Mayor says, he will "get all the hell." All other smogs have been removed. The objection of the engineers' union has been waived. It remains with the Mayor, the head of the City Hall political organization, either to "take all the hell" himself, if he cannot iron out the difference, or to pass "all the hell" of the continued smoke nuisance to the people and property of St. Louis.

JOB VS. EFFICIENCY. ECONOMY.

Increasing the size of the House of Representatives as proposed would not be a great matter of expense as Government figures go. It would tend to hamper efficiency, however, by unnecessarily adding to the congestion and confusion of the chamber. Most objectionable is the principle by which the people's representatives, against the people's interest, may vote to preserve their own jobs by creating more.

It is immaterial to Missouri whether she has 16 Representatives or 10. Keeping the proportion is the only necessity. Three plans of reapportionment are now under consideration. The first would retain the present total number of members, which would mean a loss of representation in some states and a gain in others. The second plan would increase the membership from 435 to 460, and the third, proposed by Representative Blanton, would reduce it to 304. The last, it is said, has no chance of passage, though it would save \$223,500 a year in salaries, aside from a large item in mileage and clerical expense. It would make a more efficient legislative body.

Sir Auckland Geddes is like many another prohibitionist. He believes in it for those who live under conditions other than his own.



EDWARD I, KING OF WASHINGTON.

JUST A MINUTE

(Copyright, 1924.)

Written for the Post-Dispatch
By CLARK MCADAMS

MARIA.

IN dark, transparent, limpid depths
Of your warm Southern eyes
Italia's sunny skies
Impulse, laughter, genius rare.
The world's dull soul illumines.
To kiss, to kiss, for legislation
That fire which love consumes.

God send us more on earth like you
To cheer life's drab travail.
To kiss, to kiss, for legislation
That fire which love consumes.

L. JOE ALBERT.

Senator Capper recently presented to Congress a petition from the Embroidery Club of Stafford, Kan., for legislation against child labor, which shows whether the country has been swept off its feet by the oil scandal or not.

The New York Tribune thinks the Philippines question was settled when Mr. Bryan ran in 1900 on an anti-imperialism platform. If it was not settled then, the Tribune thinks it was when Mr. Bryan ran in 1908 with the same result. It forgets how long it took to get the Irish question settled, and indeed none of these questions is ever settled until it is settled right. We are quite aware that the Tribune don't agree with us as to what is right in these matters, but if we were advising the Philippines we would say, "don't cheer, boys! The diehards, poor devils, are dying."

An Eastern letter writer says:
"Thirty years ago we remember when eggs were three dozen for 25 cents, butter 10 cents a pound, milk was 5 cents a quart; the butcher gave away liver and treated the kids with bologna; the hired girl received \$2 a week and did the washing. Women did not powder and paint (in public), smoke, vote, play poker or shake the shimmy."

"Men wore whiskers and boots, chewed tobacco, spit on the sidewalk and cursed. Beer was 5 cents and the lunch was free. Laborers worked 10 hours a day and never went on a strike. No tips were given to waiters and the hat-check grater was unknown. A kerosene hanging lamp and stereoscope in the parlor were luxuries."

"No one was ever operated on for appendicitis or bought glands. Microbes were unheard of; folks lived to a good old age and every year walked miles to wish their friends a Merry Christmas."

"Today, you know, everybody rides in automobiles, or flies, plays golf, shoots craps, plays the piano with their feet, goes to the movies nightly, smokes cigarettes, drinks Rukus Juice, blames the H. C. of L. on their neighbors, never go to bed the same day they get up, and think they are having a h— of a time."

"These are the days of suffragette, profiteering, red, high, excess taxes and prohibition. These are the days!"

Dr. May Pound,
Osteopath.

The slide pictured a woman giving treatment to a man who was stretched out on a table. Is this good enough?

R. E. LAWSON.

FRANK NUDERSCHER: A NOTE.

Last Sunday afternoon Jack and I traveled down to the Todd Studios to visit Mr. Frank Nuderscher and view his exhibition of recently painted Ozark landscapes. How the man has grown! I remember, not so long ago, when Frank Nuderscher painted with a refined, toned-down, unoriginal brush, one that carried the trimming and tameness and sameness of other minds. There were, it is true, in those days, occasional breaks from convention, but they were rare. There was one exhibition of his paintings that I can recall with distinctness. It consisted of some small landscapes, the majority done in the hazy grays, blues and purples and the pinks and pale greens that suffuse the Ozark dawns and twilights. The splash of October was, for the most part, absent. But there were several paintings that carried a promise of more robust work. One of these was "The Hills Aglow." I saw in that picture, drenched with autumn color, the real Nuderscher, the daring individualist, the dissenter who broke away from the ties of the city, just as I and a million other men would do, had we the opportunity, and went to live in the Ozark fastness at Arcadia.

When Nuderscher left St. Louis he left behind him all the kindly, unoriginal, well-meant suggestions of a host of friends and critics who asked nothing more than that his work assume a certain definite form. I could see him chafing all the while he remained here. He had to choose between being himself or somebody else. Like all honest dissenters he chose the former and decamped with his wife and kiddies and the necessary accoutrements for the Arcadia hills and valleys. There he built himself a home where he applied himself assiduously to the paintings that were, until last Sunday, on exhibition at the Todd Studios.

There were in that exhibition 22 Ozark paintings. They could have been divided into four groups, designated very properly by the names of the seasons. Those works depicting the autumnal glow of the Ozarks were, of course, the outstanding feature of the exhibit; and, to my mind, the most satisfactory, because the most characteristic, painting of this group was "Arcadia Sycamores." It is a small but lavish production and reveals the soul of the artist in its strong strokes and the heaps of color piled upon the canvas. It is Nuderscher running wild, a very natural and praise-worthy condition. "October Orange," (like many of our modern painters the man is a poet in his choice of titles) is the same group, reflects the same mood but is not so completely typical. Two pictures in the "winter" group that attracted attention were "Blue Winter," by reason of its tone of bleak desolation, and "Winter Sunshine" by its honest portrayal of that entirely natural but rare something that snow and winter streams and bare trees impart to the atmosphere. Jack took such a boundless fancy to this painting that he kept tugging at me, begging me to tag it "sold."

Frank Nuderscher comes of an ancient family of wood-carving Tyrolese mountain-seers. He is a native of St. Louis and has lived here most of his life. Up to the time of the hegira he had not reached his stature. But now the man has found himself, an event that was not possible back in the old days when his nearest approach to full height was dreaming of sticking that accursed brush into a pot of vivid red and splashing it over his pale paintings of Ozark autumn. FREDERIC E. VOLKER.

The MIRROR of PUBLIC OPINION

QUIET IN TEXAS.

From the Philadelphia Evening Public Ledger.

It is quiet in Lufkin, Tex., but it is the sultry quiet of an August night, when the moon is hid and black clouds pile on the horizon. In one house in the town the light is that of death, for a man lies there who was slain by the bullets of the law. In three more houses folk move on their feet in each a man lies in pain, wounded in the same fustilade. The Lufkin jail is a peaceful place, for about it are crouched the men of C Company, of the 14th Texas Infantry, and their orders are to shoot to kill. And a cell in that jail is the quietest place in all the town. For there, in the pregnant stillness of terror, crouches a negro who killed a man. Wednesday night a mob attacked that jail, swinging a head of steel rail for a battering ram, and howled for the negro to lynch him. A Sheriff and his deputies barred the way with pistols, and, after warning the mob, fired upon them. They drew off with their dead and wounded, and swore they would come back before another sun reddened the sky to blast the doors with dynamite. Now there is a truce, because a lawyer whom all respected promised that the negro would, on trial, exonerate. That is why Lufkin, on this quiet night, while orderly justice awaits her face, and history turns back her bloody page to seek for civilization in the Stone Age.

IN PLACE OF DAUGHTERY.

From the Dallas Dispatch.
PRESIDENT COOLIDGE might switch Charles Evans Hughes from the State Department to the Department of Justice. Hughes has been a big corporation lawyer. It is true, but he also has been a Supreme court justice, and has been the people's attorney in certain notable cases. He has represented union mine workers as well as big employers. He has even pleaded voluntarily, the case of Social Register editor, and has been a member of the Senate. He is an able lawyer, by the consensus of the whole bar. In Washington a lot of people think that Coolidge is in mind the drafting of Hughes for Daugherty's job, eventually. The fact that legal talents have been misused in the office of Secretary of State lends strength to the suggestion. It might prove an effective stroke of policy on the part of the President.

NEWSPAPER "COMICS."

ERNEST BRENEKE in the March Century.
The most important and comprehensive of the political careers is a streak of independence which did not bind him to the Democratic party as a life-long proposition. It is not difficult to conceive of him as the candidate of some party other than the Democratic. He sensed the division of groups in American politics along the lines of conservatives and radicals, reactionaries and progressives, standpat and liberals. Parties, in Mr. Wilson's judgment, depended entirely for their appeal on the leadership given them. Just as many sincere Republicans finally became persuaded that they could accomplish more inside of the Republican party to ward making it progressive than outside, so did Mr. Wilson become convinced that he could raise the Democratic party of some of his bosom and old-fashioned conservatives and make it the instrument

CANADA
MARCH 8, 1924.

True Life of Woodrow Wilson by David Lawrence

Herewith is the thirteenth installment of a history of the life of the late President Woodrow Wilson. The writer, David Lawrence, a Washington correspondent who, during his student days at Princeton, was a student under Mr. Wilson, was very close to him during his eight years in the White House and was cognizant of the important phases of Mr. Wilson's career. He tells the story of the great War President frankly and fairly, pointing out his weaknesses as well as his greatness. This history, chapters of which will appear in the Post-Dispatch from day to day until it is concluded, will rank as a notable contribution to the varied Wilson biographies that are certain to follow his death.

By DAVID LAWRENCE.
(Copyright 1924 by David Lawrence, Inc., New York, N. Y., and London, England. World published by arrangement with the author. Charles Scribner's Sons, New York, N. Y., publishers.)

CHAPTER XIII. Mr. Wilson's Singular Notions About Party Platforms and Campaigning.

WOODROW WILSON did not feel bound by party platform in the making of which he had had no part. Certain principles of policy appealed to him as worthy of emphasis, but knowing the hasty manner in which platforms were drawn and perfunctorily adopted, he constructed each document to be really a series of suggestions and not a program of action. In his formal speech accepting the nomination in 1912, he revealed that interpretation, but its true significance did not become apparent until Mr. Wilson as President developed his legislative programs. He worked practically all of the 1915 platform himself and felt privileged to do so as leader of the Democratic party.

Two planks on the 1912 platform Mr. Wilson never mentioned during that campaign. One was that which pledged the party to a constitutional amendment restricting a President of the United States to a single term and the other that which upheld the action of the Democrats in enacting a law exempting American vessels from payment of Panama Canal tolls. Mr. Wilson believed that the discussion of the one-term plank was none of his affair, because, if the party chose it could repeal that plank in a subsequent convention—it was only the Democrats who in convention assembled and not upon individuals who inevitably would be compelled to accept the party's decision. The Democratic party, Mr. Wilson believed, reversed itself in 1916 by nominating for a second term the man who in the judgment of the delegates had made a worthy record in a single term. Similarly, Mr. Wilson believed that the 1912 plank relating to Panama Canal tolls was merely an offhand endorsement of the action of the Democrats in Congress and that, if the Democrats on Capitol Hill, in their wisdom, chose to reverse themselves, the party would be compelled to approve that reversal.

Admired Bull Moose Planks.

Throughout the campaign Mr. Wilson felt a certain admiration for many of the planks in the Bull Moose platform. After he was elected he did not fail to seek the support of many of those who had voted the Bull Moose ticket by striving to meet the wishes of the progressive leaders, men and women, who had supported the third party.

Mr. Wilson's praise for the third-party platform was ungrudging. The author and several other newspaper men were seated with Mr. Wilson on a train going to New York two days before the election of 1912 when someone in the group, realizing that no one of us could be home on election day, raised the indiscreet question of how each one would vote if he had the opportunity. Fortunately another wisely suggested that the vote be taken on the question of platform rather than individuals and when the author stated that he would vote neither the Republican nor the Democratic ticket in 1912, but the Bull Moose ticket because of its platform, Mr. Wilson, with a twinkle in his eye, admitted there was a great deal to be said in favor of that viewpoint.

Running throughout Mr. Wilson's political career is a streak of independence which did not bind him to the Democratic party as a life-long proposition. It is not difficult to conceive of him as the candidate of some party other than the Democratic. He sensed the division of groups in American politics along the lines of conservatives and radicals, reactionaries and progressives, standpat and liberals. Parties, in Mr. Wilson's judgment, depended entirely for their appeal on the leadership given them. Just as many sincere Republicans finally became persuaded that they could accomplish more inside of the Republican party to ward making it progressive than outside, so did Mr. Wilson become convinced that he could raise the Democratic party of some of his bosom and old-fashioned conservatives and make it the instrument

AERIAL LIQUOR SMUGGLING ACROSS BORDER DISCOVERED

Two of Three Planes Supposed to Have Been Used Are Seized in Canada.

By the Associated Press.
WINNIPEG, Man., March 8.—An aerial liquor-smuggling system, in which at least three planes are believed to have been used, was discovered by police at Waugh yesterday when they found an abandoned airplane, fitted with runners for landing on ice and equipped to carry freight.

Another plane, which the police believe had been used for running, was forced to land 10 miles from Waugh not long after the first was seized, while a third is believed to have reached United States territory.

The authorities expressed the opinion that a syndicate in Minneapolis and St. Paul was directing the smuggling operations. Six men supposed to have been operating the plane found at Waugh, got away. Later, the police confiscated 15 cases of whisky consigned to them at St. Boniface railway station.

Spain's Former War Minister Dies.
MADRID, March 8.—Lieut. General Amador, former Minister of War, died today.

ST. LOUIS UNIVERSITY Dental Clinic

3556 Caroline St.—(Near Grand)

Hours: 9 A. M. to 4 P. M. Daily

ASK THE MAN WHO OWNS A USED CAR BOUGHT FROM BERRY

Best model.

1923 7-passenger new

model, \$1500

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model, \$2500

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model, \$1000

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model, \$2250

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CHURCH TO BACK KLAN PASTOR 'TILL HELL FREEZES'

And Then Congregation Will Skate Around on the Ice, Declares Board Official, Defending Crawford.

FAKING OF AWARD A "CLOSED INCIDENT"

Postoffice Inspectors Are Investigating Contest to See If Mails Were Used to Defraud.

The Rev. C. C. Crawford, klansman, who offered to resign as pastor of Fourth Christian Church, Blair avenue and Penrose street, after he had confessed faking the "award" of a \$25,000 prize farm in a Ku Klux Klan paper contest, and whose resignation was refused by the official board, will preach tomorrow as usual.

Meanwhile, Postoffice inspectors have begun an investigation to determine if use was made of the mails to defraud in the contest, which was conducted by the "Patriot," of which the Rev. Mr. Crawford was publisher.

"The attitude of the congregation said a member of the church official board today, 'is to stand by the pastor till hell freezes over, then skate around on the ice. And I've been a member 20 years, and know how the congregation stands.'"

This official, Oliver A. Life, advertising manager of the Moon Motor Car Co., went on to say: "This is a closed incident as far as the church is concerned. We realized the situation Mr. Crawford got into was not of his own making, though unfortunate. We feel that the congregation is in agreement and there is no chance of its overruling us."

Life said that he is not a member of the Klan.

Klan Affiliations Denied.
Giles A. Blair, secretary of the official board, who said that he and at least six of the 12 other members of the board have no affiliation with the Klan, issued a statement today in which he said:

"It seems that there has been an attempt made to cast an inference to the effect that the action taken by the board of the Fourth Christian Church was made merely because of supposed outside affiliations. I wish to emphatically deny this. The action of the board was taken without any consideration whatever of the Patriot or the Ku Klux Klan, or any other outside interest, and was taken solely in consideration of the best interests of the church and its minister."

Blair declared that the nine members of the board, who on Thursday night voted to refuse the pastor-klansman's resignation, were unanimous and that he felt the absent members, and the entire congregation, would have taken the same attitude.

Congregations Autonomous.
Congregations of the Christian Church are autonomous, there being no governing body of officials outside of congregations. The official board is composed of the elders and deacons. Ministers of this denomination say that it is possible for a congregation to overrule its official board, but quite improbable. Many of the congregations are banded together for missionary work through the United Christian Missionary Society, which has headquarters here, but it is said that Fourth Christian Church is not active in this connection. There is a Christian Ministers' Association here, of which the Rev. Mr. Crawford has been a member, but it is said he is inactive in it.

But the Rev. Mr. Crawford has not been inactive as a klansman. His church has been a gathering place for klansmen and a seat of Klan propaganda. When the "Patriot" was turned into the "Missouri Free Press" recently, and the first issue under the new name was distributed on doorsteps under cover of darkness, this church was one of the distribution centers.

The Rev. Mr. Crawford came to Fourth Christian Church two years ago from Cincinnati, O., where he had been on the staff of the Christian Standard for three years, prior to which he had been pastor of a Christian Church in Albion, La., for four years.

Two other ministers in this district have come into the public eye as active klansmen. They are the Rev. Charles D. McGee, former pastor of Haven Street M. E. Church, and the Rev. Robert (Fighting Bob) Evans, former pastor of Bond Avenue (East St. Louis) M. E. Church. McGee was expelled from the church recently because of differences with his bishop over Klan activities, and his case is being investigated by the War Department, because he is a reserve chaplain, but no longer a recognized minister. McGee and Evans both have become traveling Klan lecturers.

Faculty, Not Trustees, to Direct Policies of the College of the Future, Dr. Meiklejohn Says

Former Head of Amherst Also Believes Future College President Will Not Have to Be a Money-Raiser—Sees Fewer Elective and More General Courses.



DR. ALEXANDER MEIKLEJOHN

In the American college of the future, said Dr. Alexander Meiklejohn, the president will not have to be a money-raiser, and endowment campaigns will not interrupt educational work. There will be athletics, and intercollegiate contests, but no professional coaches or managers. There will be fewer elective and more general studies, and the different studies, toward the end of the course, will blend into one general subject, which may be called by some such broad term as "philosophy."

Teaching will be given by discussions of small groups, not by lectures to large gatherings. And the faculty, not the trustees or the alumni, will control the policies. The faculty will even elect the president.

Dr. Meiklejohn, whose resignation last June as president of Amherst College caused a nation-wide discussion, was in St. Louis yesterday, on his way to the Pacific Coast, to lecture this Spring in an institution which, from what he has heard of it, appears to him to be realizing some of his educational ideals. This is Reed Institute.

An Interesting Experiment.
"Reed is making a most interesting experiment in its curriculum," he said. "In the senior year, the studies, science, history, literature, are brought to together into a course in philosophy, that term being used in its broader sense."

The retiring president of Amherst—his resignation is not effective until next July, but he has withdrawn from the college's work—is in his early fifties. Not even Woodrow Wilson ever looked so unmistakably like a schoolmaster as does this slender, spectacled and sharp-featured man.

"We now have just the beginnings of a scheme of higher education," he said. "I have been criticized for saying that, but I say it with great hope for the future. We are still in the period when our colleges are necessarily giving much of their attention to endowment raising. We shall get to the period when endowments have been established, and when college presidents can give their attention to education. When our colleges are properly endowed, they will tend to go into the hands of the men who do the teaching in them."

"We do not need to wait so long to reform college athletics, and to put them into the hands of the undergraduates entirely. I believe in athletics, but not in the important and paid coach. I believe in athletics for the many, not for the few only, and in a variety of games. Football is open to one objection, that no one plays it after he leaves college."

Will Give Students a Chance.
"The college of the future will not try to instruct students, so much as to give them a chance to study. The lecture system will give way to some plan less likely to build up the teacher's reputation at the students' expense. The way to learn a game is to play it against a good player. The student should have the chance to learn by pit-

ting his mind against the more trained and seasoned mind of the instructor."

"Co-education," in answer to a question, "works well in some cases and some places. Amherst, ostensibly a man's college, is within a few miles of two large colleges for women. One of these, Smith College, used to list in its catalogue, as one of the advantages offered to students, the proximity of Amherst College. I don't know whether you would say that those institutions are co-educational or not. And I don't know which way future developments are likely to tend, as to co-education."

Not Alarmed at Drinking.
"Drinking among students," he said in reply to another question, "is something that can be largely stopped by proper efforts. Those who are alarmed by some recent incidents of this kind do not seem to remember that there has always been some drinking among students. The drink problem, as relating to colleges, is no new thing."

"Some are demanding the higher education now that some are demanded, and want restrictions. Restriction may be necessary to keep institutions from being overcrowded beyond the point of effectiveness, but it is a matter of regret to turn away any applicant for an education. Democracy depends on the best possible education for the greatest possible number."

Dr. Meiklejohn spoke in the City Club auditorium last night, before the club and the Town Club, on "Democracy and Excellence." He treated the two terms as apparently contradictory, and discussed the reconciliation through education of human equality with the recognition of special and varying abilities in individuals.

He declined, in interviews, to talk of public affairs outside the field of education. President Coolidge is an Amherst graduate, and a member of the Board of Trustees which accepted Dr. Meiklejohn's resignation as president, after a controversy caused in part by the changes which he had made in the teaching methods and personnel. Amherst, having 525 students last year, but it has been known for its high standards of teaching. Dr. Meiklejohn, in his 11 years there, became known as a leader of liberal tendencies in education.

Dr. Meiklejohn will begin a short lecture course at Northwestern University, Evanston, Ill., next week, before going to Oregon. He has not announced his plans for the next school year.

MEMBERS OF EAST ST. LOUIS DRUG COMPANY ARRESTED

Three Employees of Albrecht Firm Also Indicted on Liquor Law Charge.

Henry Albrecht Sr. and Henry Albrecht Jr., members of the firm of Henry Albrecht & Co., wholesale druggists and retail beverage dealers, 328 East Broadway, East St. Louis, and three of their employees, Louis H. Oldenburg, Frank Ellis and Tom Maher, were arrested yesterday on a capias issued from the Federal Court at Danville, Ill., following indictments for violations of the Federal Prohibition Act. They are charged with having sold each \$2,000 bond each.

The Albrechts and Oldenburg and Ellis were indicted a year ago, but the cases against them as indicted were dropped when a plea of guilty was entered for the firm and a fine of \$5,000 assessed. The Albrechts were indicted after several Government prohibition agents had testified. Assistant District Attorney Allen declares there is no dropping of any counts in the indictment and on conviction the maximum penalty will be asked. There are eight counts, one on possession and one on maintaining a common nuisance and six on sale.

Mike Murgic, an East St. Louis saloonkeeper, who has been raided several times, also was arrested. In the last case against him he pleaded guilty and was fined \$425 and sent to jail for 30 days. Under the present charge he can be sent to the penitentiary.

Will Speak on Socialism.
The Rev. Irwin St. John Tucker, an Episcopal clergyman of Chicago, and a Socialist, will speak on "Socialism and the Working Class in the Present World Crisis," at a meeting under auspices of the Socialist party of St. Louis at 9 o'clock this evening in Eagle's Hall, Jefferson and Lafayette avenues.

GIRL WHO FLED WITH AUNT'S HUSBAND IS DESERTED

Wisconsin Man Disappears and Fears for His Safety Are Expressed.

By the Associated Press.
SAN FRANCISCO, March 8.—Hopes for the safety of the man with whom she is alleged to have come to San Francisco after having deserted her husband, nearly six states, were expressed here late today by Marion Christopherson, 17-year-old high school girl of Grantsburg, Wis., who was found in the detention home today after having been missing since last December.

The girl told authorities the man was "Doctor" Robert Frank, husband of her aunt, and that she left Trade Lake, Wis., with him Dec. 14, 1923, with her aunt's knowledge, in the capacity of nurse. The man disappeared two weeks ago while they were residing in San Francisco.

According to Captain of Detectives Duncan Mathieson, the girl said that they had traveled from Minneapolis to St. Louis, thence to Albuquerque, and eventually coming to San Francisco. She asserted that they lived together in San Diego, where her companion worked for a time as a barber. He said she had deserted her here in an automobile, which police say was a stolen machine.

Fatal Strike Riot in Bombay.
By the Associated Press.
BOMBAY, British India, March 8.—Four civilians were killed and five injured when the police fired on rioting cotton mill strikers here today. The military then was called out. There has been much incendiarism since the strike started. In one district 2000 barrels of cotton were fired and strikers stoned. Lascars who were fighting the blaze, Railway trains have been stoned.

A GLIMPSE AT THE NEWEST BOOKS

"UNDEXTOW," by Henry K. Marks. (Harper.)

THIS is undextow all right. Sheer undextow and nothing but undextow. Consisting of the Volmer family, father, mother, son and two daughters. August Volmer is a brutal husband and father. Mrs. Volmer is a semi-invalid and a mushy nonentity. Mary is weak, spiteful and ingrown. Florrie, at least, has enough personality to break her fetters, even if she goes what seems as the easiest way. Ronald is a puny, sniveling snail. It is not undextow, but it is a mishap at his birth precluded further Volmer issue.

Ronald, feeling the need of something to buck him up, takes to drugs and becomes a driving addict. Many "apels" as he calls the pathology of this sort of thing will enjoy the story, written by Henry K. Marks, author of "Peter Middleton." Also there is a good time in store for those who look in upon the snarling and bickering of a miserably unhappy family.

The publisher's recommendation is that "Undertow" be read, not it. That is, it is life of a sort and it is undextow. The stark ugliness of it is unrelieved by the slightest suggestion of anything beautiful or the possibility of anything beautiful. Ugliness was the author's aim and in "Undertow" it is well achieved. But what's the use?

"THE SPELL OF PROVIDENCE," by Andre Hallays. (Page.)

ANDRE HALLAYS, author of "The Spell of Providence," has here either a picture or a history of Providence, only notes and impressions of casual strolls, made during a space of 10 years and now collected and leads the way to the places and people who have made it what it is. The author's aim is to know better the present appearance and past story of the most Latin of the provinces of France.

His novel, he says, was written by him in the past, but he admits that he has passed without notice some famous spots and magnificent monuments, for no other reason than his fancy led him elsewhere, but he half promises that he will return to Providence, when his fancy may lead him to the spots and monuments that have been omitted.

The author's architectural training is such that he appreciates the full worth of the relics of Roman civilization which abound in Providence. He passes by the well-known and well-advertised show places and leads the way to the spots where old-time customs survive, where architecture is unspoiled and where the beauty of a Southern clime is wild and arid.

"JIBBY JONES," by Ellis Parker Butler. (Houghton-Mifflin.)

THIS story of boy life on the Mississippi by the author of "Pigs is Pigs," deserves to be classed with Tom Sawyer and Huck Finn. Tab and Skippy and Goo and Wampus are the gang, but it is Jibby Jones' long nose (like the jib on a sail-boat) that scents all the adventures and it is Jibby that leads the gang through all their exciting adventures. This is a book that will delight every real boy—excitement a plenty.

"THE YOUNG KNIGHT," by I. M. B. of K. (L. C. Page & Co.)

THE history of Rhodes and the Knights of Malta is here retold to America to make more of a story. None of the charm is sacrificed to obtain an ideal story for boys, yet the history is not so distorted as to be unrecognizable.

"MORE QUICK CURTAINS," by Kenneth S. Goodman. (Stage Guild.)

IX short plays, designed for the use of the intimate theater, and presented for their use, with the usual copyright restrictions. All of them are deeper than most of the short plays that are offered nowadays, they go to real emotions and offer both comedy and tragedy for the seminatamers. On one side, they extend to farce—at times they drop into melodrama.

"FALSE GODS," by Will Scarlett. (Beniger.)

POLLING false gods is in never finding it out. Both hero and heroine discovers it in time, in this story, and presumably lived happily ever after as well as after.

"CLAW AND FANG," by Ernest Glanville. (Harcourt, Brace.)

GLANVILLE, in Africa, not with the explorer, but with the true habitat. The life history of a lion, and many tales of his humbler jungle neighbors, told by a man and how can gather information while being plentifully entertained.

"LEMONS AND POPPIES," by Gertrude S. Gertrude. (Seltzer.)

A BOOK of sketches of California types. The captions are more clever and interesting than the drawings. Just why the book is issued must remain a mystery.

"TAMING THE WILDBIRDS," by Herbert Durand. (G. P. Putnam's Sons.)

THIS is not a novel of suburban life, but a discussion of wild flowers and their adaptation to cultivation, and their uses in gardens.

"CRYSTALLIZING PUBLIC OPINION," by Edward L. Bernays. (Bonl & Liveright.)

WHY to do it, discussed and approved, the study of how to do it is then handled as a scientific question. My, what the poor editors will be up against.

"THE BLUE SCARAB," by R. Austin Freeman. (Dodd, Mead & Co.)

THE above is the ordinary. Instead of concealing the criminal, the writer begins by actually showing him at work. Then follows the solution by the master detective, Thorndyke. It is interesting to follow him in building up his case from some very trivial incident or some trivial thing left by the criminal. He takes you into his confidence and shows you the process of his reasoning from start to finish.

"WITH THE GILT OFF," by A. L. F. (Putnam.)

THE above is the ordinary. Instead of concealing the criminal, the writer begins by actually showing him at work. Then follows the solution by the master detective, Thorndyke. It is interesting to follow him in building up his case from some very trivial incident or some trivial thing left by the criminal. He takes you into his confidence and shows you the process of his reasoning from start to finish.

"THE DYNAMIC POWER OF THE INNER MIND," by Brian Brown. (Doubleday-Page.)

THE subtitle of this book is "An Outline of Practical Psychology." One who masters its contents will not know much about psychology; perhaps practical psychology is a horse of another color. When we were forced to go to psychology class at college we found our subject rather difficult and not very interesting. We recall that some of the topics were sensation, perception, conception, judgment. The "Outline" is easy reading, and it is interesting. There is little or nothing about the topics ordinarily treated in psychology, but much about Taoism, mysticism, Freud, hypnosis, endocrinology, longevity. There are several chapters of "Suggestive Meditations" consisting of extracts from a motley group: Marcus Aurelius, John D. Rockefeller, Buddha, Thomas a Kempis, James Allen, and others. There are also many health hints. Assuming dualism, the author shows how we can, by taking thought, avoid undesired microcosm—not as yet, an undesired brickbat. His argument is modest, charming—and entirely unconvincing.

"THE PERSONAL RELATION IN INDUSTRY," by John D. Rockefeller Jr. (Bonl & Liveright.)

JOHN D. JR. had learned prior to 1915 what he now evidently knows about personal relations in industry, the great Colorado massacres would never have taken place. Perhaps the strike and its attendant sacrifices were the means of teaching him—at least the first practical use of this knowledge, as attested by his speech at Denver in 1915 and the reforms in the Colorado Fuel & Iron Company's treatment of its employees, which occurred after the disaster.

But now, nine years after, he comes with a volume of speeches to various public gatherings (subsequent to the strike) wherein he fans the light he has at last seen. Converted to the cause, he becomes a zealot in its name.

"THE EINSTEIN THEORY OF RELATIVITY," by Ernest P. Service. (Putnam.)

IT is said that only four men in America understand the Einstein theory of relativity. Whether Garrett Service be one of these has nowhere been said, but the little book of his just published would convince most readers that he did. And the reviewer, confident that he is not one of the four, is content with Mr. Service's explanation. The book is not abstruse, technical.

"FALSE GODS," by Will Scarlett. (Beniger.)

POLLING false gods is in never finding it out. Both hero and heroine discovers it in time, in this story, and presumably lived happily ever after as well as after.

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GLANVILLE, in Africa, not with the explorer, but with the true habitat. The life history of a lion, and many tales of his humbler jungle neighbors, told by a man and how can gather information while being plentifully entertained.

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WHY to do it, discussed and approved, the study of how to do it is then handled as a scientific question. My, what the poor editors will be up against.

Howard Carter's Story THE TOMB OF TUT-ANKH-AMEN

THE only official and authoritative account of the discovery and opening of the Tomb. As exciting and romantic a story as "Treasure Island."

164 Illustrations \$5.00 At All Bookshops

"MOCK MAJESTY," by E. W. Savi. (Putnam.)

THE action frothy novel with India P and O and lastly in India, where we see the flight between Indian and English for control from the side of the English.

"THE BLUE SCARAB," by R. Austin Freeman. (Dodd, Mead & Co.)

THE above is the ordinary. Instead of concealing the criminal, the writer begins by actually showing him at work. Then follows the solution by the master detective, Thorndyke.

These Lightweight Wrestlers Must Be All at Sea, to Judge by the Number of Light Houses

Catching Staff Chief Worry of Manager Rickey

With Clemons Uncertain, Niebergall Is Best Backstop at Bradentown.

FITCHER DYER "ARRIVES"

Southpaw's Showing in Practice Indicates He Has Come to Stay.

By a Special Correspondent of the Post-Dispatch.

BRADENTOWN, Fla., March 8.—It may be that when Eddie Dyer, young southpaw pitcher, staged a short holdout on the officials of the Cardinals club, recently, he knew more about what he was worth than the club did. Eddie evidently figured he was better than the Cardinal officials thought and maybe Eddie was right. For, by his first real workout since he reached the training camp, here, the four-letter "Rice" Institute boy, displayed a very nice brand of pitching.

"Two Cardinal teams, equalized as nearly as possible, went a fast and furious seven innings and Eddie's work was performed for the team captained by Rogers Hornsby. The southpaw slung a mean three innings and, though scored upon in no way blamable. Last year, down here, Clarence Mueller, who is obsessed by the idea that he can maul right-handers, slipped a homer off the cullow Mr. Dyer.

"Heine" Mueller fans. "Heine" had another chance, yesterday, but couldn't quite make the grade. Dyer threw a fast one past the outfielder, made him foul off a curve and then threw a slow ball which "Heine" disdained to hit at. It so happened that this slow one was right across the heart and heartless Fred Hunter the umpire called it a strike. Dyer laughed, so did the rest of the players—excepting of course, the thoroughly irate Mueller.

If Manager Rickey desires a southpaw to go off with him to Florida, Dyer seems the logical candidate. Eddie beat the Cubs twice, a year ago, and now has the confidence in his wares that he looked when he first came to St. Louis. Southpaws are rare, these days, and a glance at the records of those in the National League—Ruehrer, Benton, Rice, Conner, Mulford, Sherrill, Nix, and others—will show that the postscript more than held their own in the annals of efficiency.

Halloran, Granados and Brown, the other left-handers of promise, need more seasoning, before they will be ready for big league company. Therefore, Dyer's chance to remain in a good one, especially as he is no mean performer with the stick.

Hornsbey Makes Two Hits

The team led by Hornsbey was successful yesterday over that captained by Max Flack by a 12-6 score. Hornsbey faced the pitcher twice and hit safely both times, one being a safe hit and the other a sliding drive to right.

Torporer, who appears to be himself again this year, also got a couple of blows, while the Cardinals, with the Cards for a while last season, smacked out the first real home run of the season.

Flack had as outfield companions Mueller and Jack Smith, with a regular infield, while Hornsbey had rookies in the gardens and a more or less regular infield with himself. Torporer, at second, Lavan, at short and Lester Bell at third, left vacant by the holdout, Stock, Mulford and catching. Of his new players, only McCurdy and the promising young How worked for the winners. Rhoads, a veteran, and Bill Herman pitched for Flack. Herman and Dyer doing the hurling in the opposition.

Smith, Mueller, and Douthart are showing unusual speed this spring, and outfield worries are conspicuous by their absence, as Rhoads, also, is in fine condition. The cry "lead head" seems to be catching, catching and catching. Of how much use Clemons will be is a question which leaves Niebergall, as the first stringer. Far from looking to start a campaign with.

INDOOR TRACK STARS COMPETE IN LAST BIG INDOOR MEET TONIGHT

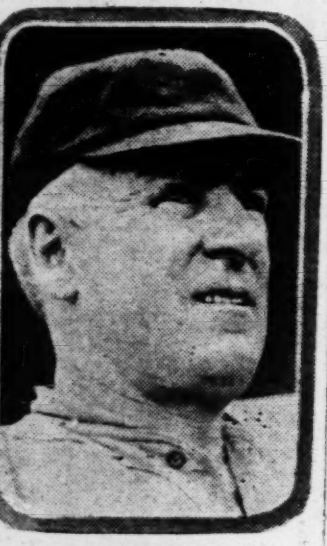
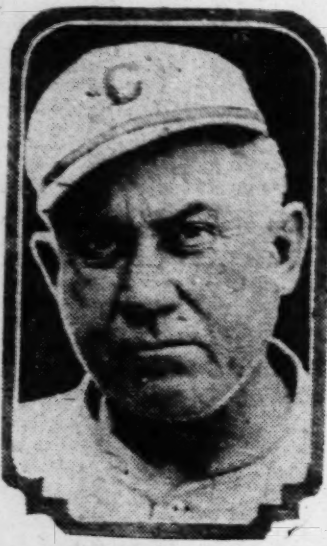
PHILADELPHIA, March 8.—All out for the big final of the season! Even though many thought the real indoor year was ended with the national championships, the Penn Athletic Association meet in this city tonight is of major importance. The games, formerly known as the "Penn Athletic meet," are being run in the new indoor arena, the University City, which is the first of its kind in the world. The meet is being run in the new indoor arena, the University City, which is the first of its kind in the world. The meet is being run in the new indoor arena, the University City, which is the first of its kind in the world.

Class is found in every event. Almost every man who featured in the last year's meet will be on hand. The first day's meet will be on hand. The first day's meet will be on hand. The first day's meet will be on hand.

No self snap awaits the Illinois A.C. champion. He will meet William Enck at Penn State, the basketball champion. Lloyd Hahn from Boston and Jim Connelly of Newark.

In the dashes, Loren Murchison will meet Chet Bowman of Syracuse, the champion of the colleges, and several years ago and has piloted several winners in the midwest. He joined the Cincinnati club this season as coach and assistant manager.

Cincinnati Leader Who Is Dead, Man Who Succeeds Him
PAT MORAN.



Hendricks, who was formerly manager of the Cardinals and of the Indianapolis club before that, was named yesterday to be Moran's successor, following the death of the "Miracle Man." Moran, dispatched from Cincinnati, is expected to arrive in St. Louis.

Death of Moran May Affect Reds' Pennant Chance

Team Had High Hopes of Beating Out Giants This Year; Hendricks Gets Job.

By the Associated Press.
ORLANDO, Fla., March 8.—The body of Pat Moran, pilot of the Cincinnati Reds, lay in state here today before removal to a late afternoon train to take him to Pittsburgh, Mass.

Moran, with his wife, two children and teammates at his bedside, died yesterday, following an illness of four days. He lapsed into unconsciousness Thursday night and he passed on. Mrs. Moran and the two children reached the bedside only a short time before he died. Bright's disease was given as the cause.

Funeral services will be held Tuesday at Pittsburgh, Mass. Moran's death, teammates said, came when they were looking forward to a successful season, with the hope of repeating the victories of 1919, when, under Moran's leadership, the Reds captured the National League pennant and the world series. The team has a great pennant chance and Jack Hendricks, who has been named manager, is in fine condition. The cry "lead head" seems to be catching, catching and catching. Of how much use Clemons will be is a question which leaves Niebergall, as the first stringer. Far from looking to start a campaign with.

Moran won two pennants. Moran, veteran baseball player and great manager, was a native of Pittsburg, Mass., where he was born Feb. 17, 1876. He obtained his first professional engagement at Lyons, N. Y., 27 years ago and soon graduated into fast company at Montreal.

Young Moran caught well, played a good third base and while never a heavy slugger, delivered hits when they counted. He was taken by the Boston Nationals in 1891 and soon became the leading backstop of that club.

When the Chicago Cubs began their wonderful career of triumph they bought Moran from Boston. He acted as Kling's assistant through all the campaigns. The Cardinals, who have been named manager, is in fine condition. The cry "lead head" seems to be catching, catching and catching. Of how much use Clemons will be is a question which leaves Niebergall, as the first stringer. Far from looking to start a campaign with.

Moran left Philadelphia in 1913 and came to Cincinnati. He won the pennant that year.

Moran maintained a residence in Pittsburgh, Mass., while managing and playing in the major leagues.

By the Associated Press.
CINCINNATI, O., March 8.—Jack Hendricks has been named to succeed Pat Moran as manager of the Cincinnati Nationals. It was announced here last night.

Browns' Training Camp a Real School for Budding Ball Stars

Professor Sisler and Faculty Members Weiman and Austin Spend Hours Daily Teaching the Young Idle How to Shoot 'Em Across the Diamond Right.

By J. Roy Stockton, of the Post-Dispatch Staff.

MOBILE, Ala., March 8.—Training for the Browns is more than exercise to get the muscles into condition or a test of the ability of new players. It is a school. A recruit who spends four or five weeks with the Browns can depart for the bushes a better player, if he keeps his eyes and ears open and tries to profit by what is offered in the curriculum.

George Sisler said last fall that he intended to teach young players to be better ball players and to develop some of the material already on the roster of the Browns. He is putting his theories into practice.

Men in every department of the baseball machine which will represent St. Louis in the American League are being put through the course of instruction. In the outfield the task is a comparative one. The outfielders who will represent St. Louis in the American League are being put through the course of instruction. In the outfield the task is a comparative one.

Jake Is O. K. Again. Jacobson had trouble with his eyes last fall, but in his work at the training camp there is nothing to indicate that he has lost any of his ability. Jake has been pounding the ball hard and appears to be as good as he was last year.

That leaves Bennett's batting as the object of instruction. Bennett, who is fast and can hit, is being taught to hit the ball hard and appears to be as good as he was last year.

Hubert Pruett, after working in batting practice, said his arm felt better. He has had no trace of the soreness which handicapped him last season. He has not developed to the point where he can tell whether he has hit his curve.

The club last night extended sympathy to the family of Pat Moran and the Cincinnati ball club.

RACING RESULTS AND ENTRIES

New Orleans Results. Weather threatening; track fast.

FIRST RACE, 7:00, 4-year-olds and up, claiming, 100 lbs. 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th, 101st, 102nd, 103rd, 104th, 105th, 106th, 107th, 108th, 109th, 110th, 111th, 112th, 113th, 114th, 115th, 116th, 117th, 118th, 119th, 120th, 121st, 122nd, 123rd, 124th, 125th, 126th, 127th, 128th, 129th, 130th, 131st, 132nd, 133rd, 134th, 135th, 136th, 137th, 138th, 139th, 140th, 141st, 142nd, 143rd, 144th, 145th, 146th, 147th, 148th, 149th, 150th, 151st, 152nd, 153rd, 154th, 155th, 156th, 157th, 158th, 159th, 160th, 161st, 162nd, 163rd, 164th, 165th, 166th, 167th, 168th, 169th, 170th, 171st, 172nd, 173rd, 174th, 175th, 176th, 177th, 178th, 179th, 180th, 181st, 182nd, 183rd, 184th, 185th, 186th, 187th, 188th, 189th, 190th, 191st, 192nd, 193rd, 194th, 195th, 196th, 197th, 198th, 199th, 200th, 201st, 202nd, 203rd, 204th, 205th, 206th, 207th, 208th, 209th, 210th, 211st, 212th, 213th, 214th, 215th, 216th, 217th, 218th, 219th, 220th, 221st, 222nd, 223rd, 224th, 225th, 226th, 227th, 228th, 229th, 230th, 231st, 232nd, 233rd, 234th, 235th, 236th, 237th, 238th, 239th, 240th, 241st, 242nd, 243rd, 244th, 245th, 246th, 247th, 248th, 249th, 250th, 251st, 252nd, 253rd, 254th, 255th, 256th, 257th, 258th, 259th, 260th, 261st, 262nd, 263rd, 264th, 265th, 266th, 267th, 268th, 269th, 270th, 271st, 272nd, 273rd, 274th, 275th, 276th, 277th, 278th, 279th, 280th, 281st, 282nd, 283rd, 284th, 285th, 286th, 287th, 288th, 289th, 290th, 291st, 292nd, 293rd, 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866th, 867th, 868th, 869th, 870th, 871st, 872nd, 873rd, 874th, 875th, 876th, 877th, 878th, 879th, 880th, 881st, 882nd, 883rd, 884th, 885th, 886th, 887th, 888th, 889th, 890th, 891st, 892nd, 893rd, 894th, 895th, 896th, 897th, 898th, 899th, 900th, 901st, 902nd, 903rd, 904th, 905th, 906th, 907th, 908th, 909th, 910th, 911st, 912th, 913th, 914th, 915th, 916th, 917th, 918th, 919th, 920th, 921st, 922nd, 923rd, 924th, 925th, 926th, 927th, 928th, 929th, 930th, 931st, 932nd, 933rd, 934th, 935th, 936th, 937th, 938th, 939th, 940th, 941st, 942nd, 943rd, 944th, 945th, 946th, 947th, 948th, 949th, 950th, 951st, 952nd, 953rd, 954th, 955th, 956th, 957th, 958th, 959th, 960th, 961st, 962nd, 963rd, 964th, 965th, 966th, 967th, 968th, 969th, 970th, 971st, 972nd, 973rd, 974th, 975th, 976th, 977th, 978th, 979th, 980th, 981st, 982nd, 983rd, 984th, 985th, 986th, 987th, 988th, 989th, 990th, 991st, 992nd, 993rd, 994th, 995th, 996th, 997th, 998th, 999th, 1000th, 1001st, 1002nd, 1003rd, 1004th, 1005th, 1006th, 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1132nd, 1133rd, 1134th, 1135th, 1136th, 1137th, 1138th, 1139th, 1140th, 1141st, 1142nd, 1143rd, 1144th, 1145th, 1146th, 1147th, 1148th, 1149th, 1150th, 1151st, 1152nd, 1153rd, 1154th, 1155th, 1156th, 1157th, 1158th, 1159th, 1160th, 1161st, 1162nd, 1163rd, 1164th, 1165th, 1166th, 1167th, 1168th, 1169th, 1170th, 1171st, 1172nd, 1173rd, 1174th, 1175th, 1176th, 1177th, 1178th, 1179th, 1180th, 1181st, 1182nd, 1183rd, 1184th, 1185th, 1186th, 1187th, 1188th, 1189th, 1190th, 1191st, 1192nd, 1193rd, 1194th, 1195th, 1196th, 1197th, 1198th, 1199th, 1200th, 1201st, 1202nd, 1203rd, 1204th, 1205th, 1206th, 1207th, 1208th, 1209th, 1210th, 1211st, 1212th, 1213th, 1214th, 1215th, 1216th, 1217th, 1218th, 1219th, 1220th, 1221st, 1222nd, 1223rd, 1224th, 1225th, 1226th, 1227th, 1228th, 1229th, 1230th, 1231st, 1232nd, 1233rd, 1234th, 1235th, 1236th, 1237th, 1238th, 1239th, 1240th, 1241st, 1242nd, 1243rd, 1244th, 1245th, 1246th, 1247th, 1248th, 1249th, 1250th, 1251st, 1252nd, 1253rd, 1254th, 1255th, 1256th, 1257th, 1258th, 1259th, 1260th, 1261st, 1262nd, 1263rd, 1264th, 1265th, 1266th, 1267th, 1268th, 1269th, 1270th, 1271st, 1272nd, 1273rd, 1274th, 1275th, 1276th, 1277th, 1278th, 1279th, 1280th, 1281st, 1282nd, 1283rd, 1284th, 1285th, 1286th, 1287th, 1288th, 1289th, 1290th, 1291st, 1292nd, 1293rd, 1294th, 1295th, 1296th, 1297th, 1298th, 1299th, 1300th, 1301st, 1302nd, 1303rd, 1304th, 1305th, 1306th, 1307th, 1308th, 1309th, 1310th, 1311st, 1312th, 1313th, 1314th, 1315th, 1316th, 1317th, 1318th, 1319th, 1320th, 1321st, 1322nd, 1323rd, 1324th, 1325th, 1326th, 1327th, 1328th, 1329th, 1330th, 133

SHARP DROP IN FRENCH FRANKS TRADE FEATURE

Stock Market Is Dull Affair Though Steady at the Close—French Issues Are Weak in Bond Market.

By Leonard Wise from the New York Bureau of the Post-Dispatch.
NEW YORK, March 8.—The financial review today, notwithstanding a sharp drop in French francs, was characterized by a general lack of activity in the stock market. The closing prices of the leading averages were steady, though the French issues were weak in the bond market.

The franc fell sharply from 16.65 to 16.25 cents, a drop of about 2.5 percent. This was due to a combination of factors, including a general decline in confidence in the French government and a shortage of francs in the market.

The stock market was dull and uneventful. The Dow Jones industrial average closed at 100.00, up 0.01 from the previous day. The French market was also steady, with the Cote des valeurs closing at 100.00, up 0.01 from the previous day.

The bond market was weak, with French issues falling. The 4 percent French government bonds fell from 100.00 to 99.75. The 5 percent French government bonds fell from 100.00 to 99.50.

NEW YORK STOCKS

Special to the Post-Dispatch.
NEW YORK, March 8.—Total sales on the New York Stock Exchange today were 415,400 shares. The market was generally steady, with a slight decline in French issues.

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

NEW YORK BONDS

Special to the Post-Dispatch.
NEW YORK, March 8.—Following is an official list of bonds traded on the New York Stock Exchange today, with prices up to and including the close of the market.

GOVERNMENT BONDS.

| Bond | High | Low | Close | Change |
|------------------|--------|-------|--------|--------|
| U.S. 4 1/2% 1934 | 100.00 | 99.75 | 100.00 | +0.01 |
| U.S. 4 1/2% 1935 | 100.00 | 99.75 | 100.00 | +0.01 |
| U.S. 4 1/2% 1936 | 100.00 | 99.75 | 100.00 | +0.01 |

BOND MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Bond Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Ind. Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

INDUSTRIALS.

| Stock | High | Low | Close | Change |
|------------|--------|-------|--------|--------|
| Am. Steel | 100.00 | 99.75 | 100.00 | +0.01 |
| Gen. Elec. | 100.00 | 99.75 | 100.00 | +0.01 |
| IBM | 100.00 | 99.75 | 100.00 | +0.01 |

STOCK MARKET AVERAGES.

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|-------------------------|--------|-------|--------|--------|
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NEW YORK CURB

Special to the Post-Dispatch.
NEW YORK, March 8.—Following is an official list of securities traded on the New York Curb market today, with prices up to and including the close of the market.

DOMESTIC BONDS.

| Bond | High | Low | Close | Change |
|------------------|--------|-------|--------|--------|
| U.S. 4 1/2% 1934 | 100.00 | 99.75 | 100.00 | +0.01 |
| U.S. 4 1/2% 1935 | 100.00 | 99.75 | 100.00 | +0.01 |
| U.S. 4 1/2% 1936 | 100.00 | 99.75 | 100.00 | +0.01 |

BOND MARKET AVERAGES.

| Index | High | Low | Close | Change |
|-------------------------|--------|-------|--------|--------|
| Dow Jones Bond Ave. | 100.00 | 99.75 | 100.00 | +0.01 |
| S&P 500 | 100.00 | 99.75 | 100.00 | +0.01 |
| French Cote des Valeurs | 100.00 | 99.75 | 100.00 | +0.01 |

ST. LOUIS POST-DISPATCH, WEDNESDAY, MARCH 8, 1924.

THE REVELATIONS OF A
PAID COMPANION

By JANE PHELPS

Author of "My Husband and I," "A Wife's Story," etc.

CHAPTER XXVIII.

MR. ELLWOOD MEETS MOLLIE AT THE DOOR.

THE nurse came, a pleasant-faced, middle-aged woman, whom one at once instinctively felt could be trusted. I could not get a feeling of relief as she took charge of the invalid.

I was a good nurse, owing to my experience with Aunt Agatha, but had no other training, and was glad to shift the responsibility even for a short time. Mrs. Ellwood was sleeping, and I stole quietly away to my room.

"Has Mollie come in yet?" Mr. Ellwood asked, as I passed the open door of his room.

"No, but I am sure she will be in soon."

"If you are awake ask her to come to me at once."

I moved on to my own room, my heart filled with pity for the man I had learned to respect so highly. His son incapable of thinking straight, his daughter thoughtlessly chasing the will-o'-the-wisp of pleasure, his wife so ill.

An hour passed. Twice I had crept down to the invalid's room, but at a sign from the nurse had quietly withdrawn. Mrs. Ellwood was still sleeping the drugged sleep that only gave her relief from pain.

Another hour. I heard a door open, voices, and hurried into the hall, my heart beating wildly, fearful Mrs. Ellwood might be worse.

Under the hall lamp stood Mollie and her father. Even from where I stood I could see she was not herself, that she had been drinking. Her voice was shrill, and she stood uncertainly.

"Your mother is very ill and you—"

Mr. Ellwood's voice trembled.

Mollie glanced up, saw me and shrilled:

"You told! You sent that meddling doctor after me!"

"No, Mollie, I didn't tell anyone but him. Your mother was taken very much worse—we were afraid. Come with me."

And although she resisted, I led her upstairs, and into my room. Her father had neither moved to assist me, nor spoken. He seemed stunned, a look of horror on his face.

I turned when I reached the head of the stairs just in time to see him stagger toward the library, then the door closed.

"Oh, Mollie, how could you? Your father looks heart-broken."

"Nothing to break his heart over. The booze Don had was rotten stuff. Went to my head. I'll be all right in a minute. What'd you send for me for? I was having a bully time. Don't like that man Millbank—hate him."

Her speech was hesitating, thick.

I helped Mollie off with her clothes, bathed her head, made her lie down, and then went to the kitchen and made her a cup of strong coffee, thankful that the servants had retired.

After a while she sat up, drank the coffee, and seemed to realize something unusual had happened.

"What is it, Rita? What's the matter? You look solemn as an owl!"

She laughed nervously.

"Your mother is very ill—we were afraid. She asked for you, and I had to send. I wouldn't tell you father or Guy, but I had to find you, so sent the doctor."

Mollie isn't going to die?"

Her eyes were wide with fear.

"We hope not, but she is very ill indeed, and with her weak heart such a spell is very serious."

Mollie covered her face with her hands. Slow tears trickled through her fingers. Her nervousness was palpable. She trembled pitifully.

"Don't cry, Mollie. She may want you, and you must be cheerful."

With an effort she composed herself. She had a strong will, and it had always been a wonder to me that she could not control her appetite.

"I'm going down—to mother," she said after a bit.

I tried to dissuade her, but in vain. I knew the nurse was to be depended on, so let her go, standing at the head of the stairs watching her.

The door of the library was open, her father came out and drew her within. Then he closed the door.

Would he be gentle and kind, or would he be angry? How I longed to know as the time passed, and the door remained closed. Finally Mollie came out, and with her head high, a look of intense anger on her face, she came up the stairs, into her own room. I heard the key turn in the lock.

They had quarreled.

(Continued in the Post-Dispatch.)

Three Minute Journeys
Temple ManningThe Butteground That Now Lies
in a City.

BUNKER HILL is the only example in America of a historic battle-field located in the center of a city. Charlestown, Mass., has grown upon the slopes of the green hill where the first pitched battle between Americans and British took place, until there is nothing left but a small green from which the white granite shaft of Bunker Hill Monument rises to the sky.

Charlestown in Revolutionary days was a pleasant cluster of dwellings across the mouth of the Charles River from Boston. Now it is a teeming, congested city district, a neighborhood of tenements and small, poor houses. To reach it you must travel through the worst section of Boston, cross the river by a bridge, which has a railroad terminal on one side and docks and the United States Navy Yard on the other, and proceed to the monument by roughly paved streets full of screaming tenement children.

Bunker Hill battle was fought on June 17, 1775. The British crossed from Boston in boats and their warships in the harbor drew up in front of where the Navy Yard now is, and bombarded the town and hill. Some 1200 or 1800 farmers had entrenched themselves on the hill and the British troops, as though on parade, marched up the

steep incline with fixed bayonets. The battle was plainly visible from Boston, and the roofs of all the houses on Beacon Hill were crowded with spectators. It was like having reserved seats at a modern football game. Oliver Wendell Holmes describes Grandmother's impressions of the battle seen in this way in a poem beginning:

"It's like stirring living embers
When at eighty one remember—"

The Bunker Hill Monument was constructed in 1842, and the occasion gave Daniel Webster a marvelous opportunity for one of the greatest orations of all time. Although it was 67 years since the battle there were present half a dozen survivors and to them Webster addressed himself with these words:

"Venerable men, you have come down to us from a former generation—"

The monument is 221 feet high, and as the hill itself rises 110 feet above the water, for many years it was the most commanding point in Boston and vicinity. Boston has always refused to permit skyscrapers; no building can be more than 155 feet high, and the dome of the State House and the pinnacle of Bunker Hill remained the high spots. A few years ago, however, the United States Government ignored the city regulations and constructed a tower on the Custom House which is about 550 feet high. That is now the first of the city that you obtain as you approach it from the sea.

Mrs. Thomas A. Edison Plays the
Role of Dietist

The Wife of the Noted Inventor Tells How Carrots, Sardines, Spinach, Tomatoes and Milk, the Be-All and End-All of Her Husband's Diet, Keeps Him Fit, Mentally and Physically.

MRS. THOMAS A. EDISON, the wife of the internationally known scientist and inventor, declares that only by a strict adherence to a simple and definite diet has been possible for Mr. Edison to carry on his work, despite his 74 years.

"The real task has been," declares Mrs. Edison, "to work out exactly which foods keep him in condition. Mr. Edison's health depends absolutely on what he eats. By experiment and by learning the effect of each food on his system, we have discovered just what he must eat to keep him feeling young and strong. I see that he always has these particular foods no matter what is served to the rest of the family. I see that they are prepared well and I do not fall into the mistaken kindness of tempting him to eat things that do not help to keep him fit. Mr. Edison's remarkable self-control makes this possible; he knows that his energy depends on eating certain definite foods and he never asks for anything else."

Mrs. Edison is a fresh-colored woman with the calm of a purpose achieved. The health and vigor of Mr. Edison are due to the success of Mrs. Edison's dietary regime.

"Have you discovered just what foods are best for your husband?"

To this direct question Mrs. Edison flashes back with an equally direct response.

"Yes, carrots, sardines, spinach, tomatoes and milk."

Mrs. Edison is too clever to insist that this list of foods must be followed by every wife who wants to keep her husband well and efficient. All she does insist upon is that very few men know how to eat and that it is part of the profession of being a wife to do the dietary brain work for the family.

A husband may be too thin or too fat, but the clever woman can, by slyly injecting or subtracting some detail of diet from his meals, bring him back to that pre-marriageable perfection which first enchanted and won her.

Few wives realize what infants men are as regards wisdom in eating. But, to be entirely truthful, not a great many women know enough about the essentials of health. Often they are pitifully ignorant as to the laws of feeding. Even persons otherwise well educated are uninformed on diet.

In restaurants that flourish near colleges and universities groups of students store up ill health by consumption of immense amounts of sweets of all kinds. It does not speak well for our American education that the first principle of health and happiness, is relegated to one department, that of home economics, and that the mass of students who go through a college course can come out with a degree in their hand and an appalling lack of knowledge on this basic subject.

Not for an instant has Mrs. Edison been a slacker in this essential matter. She knows that the diet which best suits her husband is something that must be thought about, mastered thoroughly, and carried out with precision. She knows that to neglect the body is to encourage the body to become its own enemy. Indeed, ill health is in a sense a civil war going on within the body. It is the cell tissue revolting at the inaction of the digestive system. It is a rebellion of the muscles against the sluggish and lax blood that does not carry to the organs of the body that vigor and momentum which the body rightfully demands.

The significant point in Mr. Edison's diet is that emphasis is placed on the importance of vegetables and milk.

The American salad is too often a meager leaf of lettuce with an equally meager bit of cooked vegetable or canned fruit laid thereon. The European, especially the Italian, salad is a generous dish of leafy vegetables that is given the honor of being eaten as a separate course.

This is a wiser way, for few people eat enough of the leafy vegetables such as lettuce, and when the salad is served separately and is brought on the table in a large festive bowl such as is used so much in France and Italy, then eating of salad obtains its due importance in the dinner or the lunch.

Vegetables need not always be cooked. In fact a rule that can be followed with health-giving results is to eat a vegetable raw whenever it is palatable in that condition.

Carrots may be eaten raw by grating them and serving on lettuce as a salad. Cabbage is of course more healthful raw than cooked.

Mrs. Edison has, by minute care and attention, studied not diet in general, but diet in particular. She has thought out Mr. Edison's diet, Thomas A. Edison's diet, and she knows that it works. And what is

the various ways in which these foods can be served.

Foods may be served in more ways than is generally suspected. The woman who is fortunate enough to have traveled widely either in this country or abroad will be able to take the simplest food and make of it many new and interesting dishes. Russians boil chestnuts and eat them with their meat much as we eat sweet potatoes. And chestnuts are rich in food values, especially in carbohydrates which go to make flesh. The Armenians find an appetizing way of cooking lamb and tomatoes by cutting lamb in small squares and broiling them on a spit with slices of tomatoes between. A man who might not care for tomatoes in the more ordinary methods in which they are served, might be induced to think tomatoes are delicious if combined thus attractively with broiled meat.

The French "pots-au-feu" which are a cross between stews and soups, are an excellent and stimulating lunch dish. Into such a dish goes the best of meat stocks, a richness of vegetable, and spices that give the whole the necessary tang. Such a dish is excellent on a cold wintry day when the body needs nourishment of the most solid kind.

The average man, and unhappily, the average woman, look upon eating as "something to get done." Meals are too often rushed through, or are used as a forum for discussing the family worries or illa. Anything that is unpleasant, irritating or unlovely should be banished from the family dinner. They are in bad taste. Moreover, they are inimical to health. A table should be beautiful, not because the silver should be displayed, but because the eye must be pleased or the actual process of digestion is impeded. Food should be savory in smell, for the senses should not be disturbed in any way by that which is unattractive.

Mrs. Thomas Edison has discovered the exact foods that have kept her famous husband at the height of his energy, both of mind and body. It is not the duty, but the pleasure of every wife to do the same, not only for her husband's sake, but for her own.

Philosophical Phrasings

Foxes, when they cannot reach the grapes, say they are not ripe.

Custom without reason, is but an ancient error.

Nothing is so popular as kindness.

Learning is a scepter to some, a bauble to others.

A cripple in the right is better than a racer in the wrong.

A wise and good man can suffer no disgrace.

His must be a very wretched fortune who has no enemy.

Many have known many things, no one knows all things.

Fortune comes to meet us not less often than we go to meet her.

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Mrs. Thomas A. Edison, Who Makes Her Husband's Health One of the Big Objects of Her Life.



Inasmuch as Mr. Edison is Perfectly Willing, the Process of Feeding Him is Not at All as the Artist Has Pictured It Here.

more, her husband knows that it works and he is not foolish enough to demand foods that do not act favorably upon his health and vigor.

The woman is fortunate whose husband is so perfectly well and healthy that he can eat any food or any combinations of foods without hurt. But such a man is rare. Of course the wider the range of foods that a person may eat with impunity the easier it is to plan menus. Mrs. Edison has a very small scale: spinach, tomatoes, carrots, sardines and milk. This means that Mrs. Edison must have acquainted herself thoroughly with

the various ways in which these foods can be served.

Foods may be served in more ways than is generally suspected. The woman who is fortunate enough to have traveled widely either in this country or abroad will be able to take the simplest food and make of it many new and interesting dishes. Russians boil chestnuts and eat them with their meat much as we eat sweet potatoes. And chestnuts are rich in food values, especially in carbohydrates which go to make flesh. The Armenians find an appetizing way of cooking lamb and tomatoes by cutting lamb in small squares and broiling them on a spit with slices of tomatoes between. A man who might not care for tomatoes in the more ordinary methods in which they are served, might be induced to think tomatoes are delicious if combined thus attractively with broiled meat.

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SAYINGS OF MRS. SOLOMON

By HELEN ROWLAND

THE Cynic hath said in his heart:

"Alas, what perils a man faceth, when he comes!"

"For, though she be lovelier than the rose and than the lily, how can he know that she will never wax old and dull, even as her Mother before her?"

"How can he be assured that she will not lose her glow and lay aside her fascinating ways for the deadly insensibility?"

But, I say unto thee, O my Son, WHO taketh greater the altar than a woman?"

For, how doth she know that THOU wilt not lose her beauty" and thy willowy figure and thy top hair, and thy faire, and all thy personal vanity?"

Go to, go to! Wilt thou, my Son, continue to swing and to refuse the glass of near-beer and the enticing smoke of thy waigarette?"

Wilt thou never appear at the breakfast table without a fascinating cravat, and the fragrance of soap upon thy chin?"

Wilt thou be always sweet and fresh and smiling, cheerful small talk, when thou returnest unto thy bedroom?"

Wilt thou continue to choose thy garments with their becomingness, and to keep thy cuffs-links and thy hair and shining?"

Wilt thou continue to take "treatments" for those bald-spots and to anoint thy locks with "scented pomades?" Nay verily! Thou wilt NOT!

For a man weddeth for "comfort"—but, alas, a weddeth for DIScomfort.

A man weddeth that he may eat and drink whatsoever he will, without taking thought for his fatness or his slender beauty.

That he may laugh when his hair beginneth to fall, and when his digestion annoyeth him, and go pleasantly to dinner.

That he may discard the evening shave, and wear ancient shoes, and indulge his passion for fried onions and pipe.

Yes, even that he may cease to struggle with Nature, become as prehistorically savage as the Lord hath made man, and the prophets and high priests continue to chide him to almonish them that an husband's heart must be held by fasting and beauty creams and self-denial, lest it wax filled, curlieth up beside the hearth, and goeth to SLEEP!

SELAH!

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DOUBLE PAGE FOR WOMEN

ST. LOUIS POST-DISPATCH, MARCH 8, 1924.

GS OF MRS. SOLOMON HELEN ROWLAND

th said in his heart:
what perils a man faceth, when he

she be lovelier than the rose and more
can he know that she will never wax fat
her Mother before her?
be assured that she will not lose her girlish
fascinating ways for the deadly inertia of

to thee, O my Son, WHO taketh greater
woman?
th she know that THOU wilt not lose thy
willowy figure and thy top hair, and thy
personal vanity?

Wilt thou, my Son, continue to swing idly
in a glass of near-beer and the enticing potato
pie?

ever appear at the breakfast table unshar-
pened cravat, and the fragrance of scented

is always sweet and fresh and smiling, and
th, when thou returnest unto thy Beloved

continue to choose thy garments with con-
s, and to keep thy cuff-links and thy boot-

continue to take "treatments" for thine ap-
pointed thy locks with "scented pomades?"

Thou wilt NOT?
wedded for "comfort"—but, alas, a woman

th that he may eat and drink whatsoever
ing thought for his fatness or his slenderness

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an annoyeth him, and go pleasantly to sleep

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beauty creams and self-denial, lest it wax
heart is accounted as a pet cat, which hav-

beside the hearth, and goeth to SLEEP!

SELAH!

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ing a Budget of
housewife's Time

by CAROLINE CRAWFORD.

et of how a housewife may budget her ac-
the home has been pretty well covered, but
ed in regard to budgeting a housewife's time

one of the most important roles in the
How can she accomplish the many
darning the family socks to baking the

ow can she get in Mrs. Jones's call and
gingham apron in one afternoon?

udgeting her time!" warns Alexander S.

American Society of Certified Public Ac-
audited the finances of the American Ex-

"No business man, no college student
certain definite program which must be

and there is no reason in the world why a
under a definite, scheduled program."

mind. Now the average
has to fight this. When

shopping she must leave
her eyes to just one thing
will save a lot of time and

her to concentrate on
schedule."

Another point Mr. Banks
out in regard to house-
time is that women MUST

to read the newspapers.
"How often do you hear

say, "I don't get time to
papers?" asked Mr. Banks.
yet, now that women are

and entering public life,
essential that the house-

wife should find time
with current events. One
best ways for her to do

pick out certain ques-
she wishes to know about
need not read the paper

front sheet to the com-
she hasn't time, but she
to go into the questions

affect her vote and make
telligent woman. She is

able to understand these
so thoroughly that she
down and write a letter

semblyman or Congress-
him what her district
Friendship is another

which Mr. Banks says
housewife should find.
"Women are especially

upon the friendship of
en," said Mr. Banks.
fore every housewife.

What to Serve Tomorrow::

Breakfast.

apricots

eggs

ham

muffins

cocoa, milk

Dinner.

green ham

sauc-

potatoes

peas

salad

strawberry ice cream

Tea.

strawberry short cake

ham sandwiches

tea, milk

THE RHYMING
OPTIMIST

By Aline Michaelis

Old Letters

ink is pale upon the yel-

low page which long has

been hidden from the light;

crumpled paper fragile now

its creases break to dust

the sight. The writing is

studied style; the char-

acters are small and shaped

looking on it, one needs must

to smile at all the tender art

of there. The sentiment is

every phrase resounds with

down elegance and grace that

between the lines, of other

when life moved slower on

a tranquil face. "Most Hon-

Madam," this is love's salute,

days have tarried since I saw

last; and with each hour I

made dispute, for I would

them winging fleetly past."

then he tells her of a ball, a

d, a driving accident, the car-

wrecked; till, when his gos-

sattler to its end, he closes

"Your slave, with all re-

In truth, a message of an-

day; the hand that wrote

has put aside the quill that

on that bright morn of May

greeting to his promised

The lovely eyes that

it with delight, the roses

that pressed the snowy

have lain enshrouded in the

long night while customs

earth swing from age to

But, though all else has suf-

death and change, one gleam

stant as the stars that shine,

ward, though earth's face itself

strange, the love that lives

breathes through every line!

Copyright, 1924.

ids Strength

Ward Off

Pneumonia

ASPIRIN

John's

Medicine

For Colds

Children's Bedtime Story By Thornton W. Burgess

Danny and Nanny Become Greatly Excited.

Homesickness few can long endure;
Return they find the only cure.

W ITH every passing day Dan-
ny and Nanny grew more
homesick. The mere thought
that all their feathered acquaint-
ances were on their way back to
the Green Meadows and the Green
Forest up North kept in their
minds the place that they had
called home. And the longing to
see it again grew and grew and
grew. They had become so used
to flying in the great man-bird
almost every day that they
thought nothing about it when
they went up in the air. You
see, most always they came back
to the same place they started
from, for the aviator was simply
giving exhibitions.

But at last there came a day
when they flew longer than usual,
very much longer. When at last
they came down to earth late in
the afternoon they found very dif-
ferent country from that they had
grown accustomed to way, way
down in the Sunny South. They
were still in the Sunny South,
but in another part of it alto-
gether. What could it mean?

The next day they made another
long flight. It seemed to Dan-
ny and Nanny that it was not quite
as warm as it had been. This
time they came down early in the
afternoon. They were sure then
that it was not as warm as it had
been. And after the aviator had
gone away and the great man-bird
had been left alone, they heard
a voice.

"Tut, tut, tut, tut!" Someone
was scolding. At the first sound
of that voice Danny Meadow
Mouse scrambled up where he
could look around. Tut, tut, tut,
tut!" sounded that voice again.

"As sure as I live, it is Jenny
Wren!" thought Danny, and he
looked eagerly toward a tree not
far distant. In a moment he saw
a familiar little person in brown,
hopping about as if she couldn't
keep still and all the time scolding
someone. Then he saw who it was
she was scolding. It was Mr.
Wren.

Just then Jenny Wren's sharp
eyes spied Danny and she promptly
flew over to the great man-



"Have you been living here all winter?" asked Danny.

bird. "Well, well, well, if it isn't
Danny Meadow Mouse!" she ex-
claimed. "Where under the sun
did you come from? Where did
you spend the winter?"

"I spent the winter in the Sun-
ny South, but just where I don't
know," replied Danny.

"Is Nanny still with you?" in-
terrupted Jenny Wren.

Danny nodded. "Of course,"
said he. But he didn't tell Jenny
of the five children that had been
born in the Sunny South in the
great man-bird, and were still liv-
ing in it. He knew what a gossip
Jenny Wren is, and the longer
such secrets can be kept the bet-
ter.

"Have you been living here all
winter?" asked Danny.

"Tut, tut, tut, tut! No, in-
deed!" replied Jenny. "Of course
not! We spent the winter way
down in the Sunny South."

"But isn't this the Sunny
South?" asked Danny.

"Well, I suppose it is," replied
Jenny. "It is the Sunny South,
but it isn't way down."

"Then what are you doing
here?" demanded Danny.

"Why, Mr. Wren and I are on
our way North, stupid," declared
Jenny.

Danny knew then that the great
man-bird must be on its way
North. Perhaps it was taking
them back home! He rushed away
to tell Nanny, and two more ex-
cited little people never lived.

(Copyright, 1924.)

FASHION FRILLS

Many of the sashes now so popu-
lar for gowns of every sort have a
dim needle work garland of big
flowers upon them. The decora-
tions look as though copied from a
medieval wall hanging.

Red is definitely a spring color.
It may range from scarlet to brick,
from fuchsia to American Beauty.
It may make up the whole costume
or be used in deft inlays or ap-
pliques.

Various of the more recent
sweaters have abandoned the
dreary pose which descended upon
these garments some time ago, and
have become severely tailored.
They are quite without alleviation
of their mannish lines.

Capes, the few which appear this
season, are very likely to be fin-
ished with a Spanish flounce. With
the high, flaring collar and the
wide, flaring flounce, they present
an interesting silhouette.

The rose is the favorite flower in
England this spring. Hats are
bowed down beneath the weight of
gigantic roses, or shine brightly
with several rows of very small
rosebuds. The rose is also exten-
sively used in embroidered motifs.

PARKER HOUSE ROLLS.

Into an earthen mixing bowl put
four tablespoons of butter, two
tablespoons of sugar and one tea-
spoon of salt; pour over two cups
of scalded milk, and, when lukewarm, add one compressed yeast
cake, softened and mixed with one-
fourth cup of lukewarm water and
three cups of flour. Beat thor-
oughly, cover and set aside in a
warm place and let rise until light
(top covered with bubbles); beat
again and add sufficient flour to
knead (about two and one-half
cups). Cover and let rise again to
double in bulk; turn on a slightly
floured board, knead lightly and
roll to one-third inch thickness.
Shape with a small biscuit cutter,
dipped in flour between each cut-
ting. Press with the floured handle
of a small wooden spoon across
each, almost dividing the roll.
Brush over one-half with melted
butter, fold and press the edges
close together. Place in buttered
pans, one inch apart, cover, let rise
and bake 15 minutes in a hot oven.
As the rolls rise they will slightly
unfold, and if hurried in rising are
likely to lose their shape.

Buckwheat Cakes With Sour Milk.

Sift together two and one-half
cups of buckwheat flour, one-half
cup of white flour, one teaspoon of
salt and one teaspoon of soda; add
gradually three cups of rich sour
milk, stirring constantly until a
smooth batter is formed. Add two
tablespoons of sausage or bacon
fat, mix thoroughly and heat one
minute. Cook as other griddle
cakes.



Cooks and Good Housekeepers realize the superiority of

Baker's Chocolate

(Premium No. 1)

for making cakes, pies, puddings,
fudges, ices, etc.

Be sure that you
get the genuine, in
the blue wrapper
and yellow label
with the trade-
mark of the Choc-
olate Girl on the
back.

Made only by

Walter Baker & Co. Ltd.

Established 1780

Mills at Dorchester, Mass.,
and Montreal, Canada

BOOKLET OF CHOICE RECIPES SENT FREE

Baby Loves A Bath With Cuticura Soap

Wash and Soothe in Tender Action

Children's Stories :: Household Hints

CREAM SCONES.

Sift together two cups of flour,
three teaspoons of baking powder
and one-half teaspoon of salt. With
the tips of fingers work in one-
fourth cup of butter or substitute;

add two eggs beaten until thick
and lemon tinted and one-half cup
of cream. Turn on a floured board,
knead slightly and roll to one-half
inch thickness. With a sharp knife
cut the dough in strips, then cut

the strips diagonally into diamond
shapes. Brush tops lightly with
the beaten white of egg and sprin-
kle with granulated sugar. Bake in
a hot oven 20 minutes. Serve hot
at breakfast or with chocolate or
cocoa at luncheon.

TOMATO WELSH RAREBIT.

Two tablespoons butter, two cups
cheese, two egg yolks, one-half can
tomato soup, one-half teaspoon
salt, one-half teaspoon mustard,
dash of pepper.
Cut cheese in small pieces. Put

butter, cheese and seasonings in a
chafing dish or double boiler and
cook until melted. Beat egg yolks,
add soup and stir slowly into the
cheese and butter. Cook until it
thickens, stirring constantly. Serve
on toast or crackers.

Post-Dispatch Makes Another High Record

February Advertising Lineage Shows Continued Concentration

Month by month the Post-Dispatch continues to establish new high advertis-
ing records. During February, 1924, the Post-Dispatch eclipsed all previous
February totals by carrying

1,792,560 Lines OF PAID ADVERTISING

A Gain of 162,680 Lines Over February, 1923

Measuring ONE Against TWO

The POST-DISPATCH so far outstrips any other St. Louis newspaper in volume of adver-
tising that comparisons are made with the TWO nearest newspapers COMBINED:

Total Paid Advertising

(Less Cheap Legal and Exchange)

Post-Dispatch (alone) . . . 1,792,560 Lines

Next TWO newspapers (combined) . . . 1,544,400 lines

Post-Dispatch Excess . . . 248,160 Lines

Home Merchants' Advertising

Post-Dispatch (alone) . . . 1,080,240 lines

Next TWO newspapers (combined) . . . 871,500 lines

Post-Dispatch Excess . . . 208,740 lines

The Post-Dispatch Was the Only St. Louis Newspaper to GAIN in Home Merchants' Advertising. The next Two Newspapers Show a Combined Loss of 164,400 Lines.

Real Estate and Want Advertising

Post-Dispatch (alone) . . . 360,640 lines

Next TWO newspapers (combined) . . . 276,900 lines

Post-Dispatch Excess . . . 83,740 lines

The Post-Dispatch was the ONLY St. Louis newspaper to make a clear record of GAINS
in each of the above classifications.

POST-DISPATCH

ST. LOUIS' ONE BIG NEWSPAPER

Advertising Continues to Grow in the Post-Dispatch Because Advertisers Continue to Concentrate in the
ONE Medium. "There Is No Substitute for a Responsive Circulation."

The Man on the Sandbox

TERRE HAUTE.
I WOULD not live in Terre Haute.
For it would surely get my goat.
And make me bawly in the nut
To spend my life in Terre Haute.
I used to know a guy who bought
himself a home in Terre Haute;
But now he doesn't care a hoot
For anything in Terre Haute.

QUITE SO.
The man on the sandbox says if
there are any pardon brokers in
Congress they are serving terms in
the wrong house.

President Coolidge is going to
look into the matter. Warm up
another probe!
In signing a three-year contract
with Cincinnati, Eddie Housh dealt
the Hot Stove League a staggering
blow. The old grandparent body
may raky but she'll never be the
same.

Bill Killefer says the Cubs are
going to be bears this year. Watch
'em grow.
With the aid of John Levi, the
celebrated Indian football player,
the Yankees hope to kick in with
another pennant.

The Yanks and Giants both have
a chance this year to tie the
Browns' record of four straight
pennants. However, winning four
straight flags is bad luck. After
winning four straight about 27
years ago the Browns just curled
up and quit.

"Should the Golf Ball Be Light-
er?"
No. It should be bigger.

Brooklyn has Wheat while Babe
Ruth has corn. If you can make
a cereal story out of that go to it.
Loren Murchison, the St. Louis
sprinter who has a chance to win
three firsts in the Olympic games,
will represent the Newark Athletic
Club. Guess our native sons can't
shine here on account of the
smoke.

TOO TRUE.
T WAS ever thus from child-
hood's hour,
We see our fondest hopes decay;
Our boys achieve athletic power,
And then they up and move
away.

At the time of going to press
Eddie Collins was still a White
Sock. However, by the time this
meets the eye of the gentle reader
he will have had time to change
socks several times. We guaran-
tee nothing.

Although he has worked for
only two major league ball clubs
Eddie has been traded oftener
than any player in either league.
As trading material he is the sport
writer's best bet. But the trades
never materialize.

By the time this is on the streets
he is liable to be a Yankee only to
be back again with the White Sox
in the final edition.

The King of England is out for
the Derby this year with Knight
of the Garter. The Derby is
mightier than the crown.

The Browns have several good
musicians. If they had a few
magicians maybe they could fool the
opposition.

EVERY DAY MOVIES



"Aw, lady, give a cash customer a chance."

FAVORITE STORIES

By Irvin S. Cobb.

THE MILK OF KINDNESS

ONE of the hobbies of Charles M. Schwab, the steel magnate, is running a stock farm. He has a model silo and a model dairy, and a model all-the-rest-of-it down in Pennsylvania. His fad takes the form of a constant striving to improve the breed and increase the output of his herds.

One day while Mr. Schwab was visiting the place, a farmer drove over from the adjoining valley to present a proposition. It seemed he was wishing to dispose of a treasured family cow and he had hoped he might interest his famous neighbor in the idea of buying her.

"Mr. Schwab," he began, "I'm willing to let that cow go at a bargain just to be sure she gets a good home. Why, she's the gentlest, sweetest beast you ever saw. My wife and the children are perfectly devoted to her and she just dotes on them. You never in all your life struck a cow with such a good disposition and—"

"Yes, quite so," broke in Mr. Schwab; "but what sort of a milker is she?"

"What I was about to say was that you won't never regret buying her. It's a pleasure just to have that cow around you."

"No doubt, but I'd like to have a few figures on her average yield of milk and its average richness," explained the "cool" man.

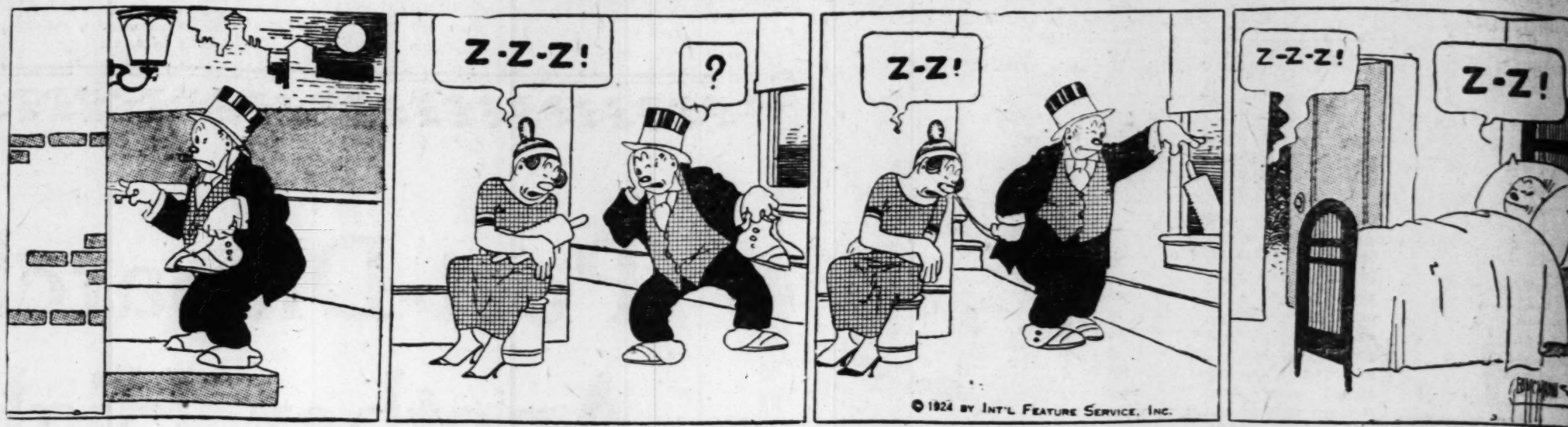
"You wouldn't bother yourself about no figures once you got ahold of my cow. Why, you'd be spending half your time petting her, and inside of two days she'd be following you about like a dog. Why, here only the other day she—"

"Now, hold on please," interrupted Schwab again. "Let's get right down to facts. The question is this: How much milk does this cow give?"

"Mr. Schwab," stated the owner, "as I just now told you, that cow's got the best disposition in the world, even toward a stranger. And if she had any milk she'd give it to you in a minute."

Copyright, 1936.

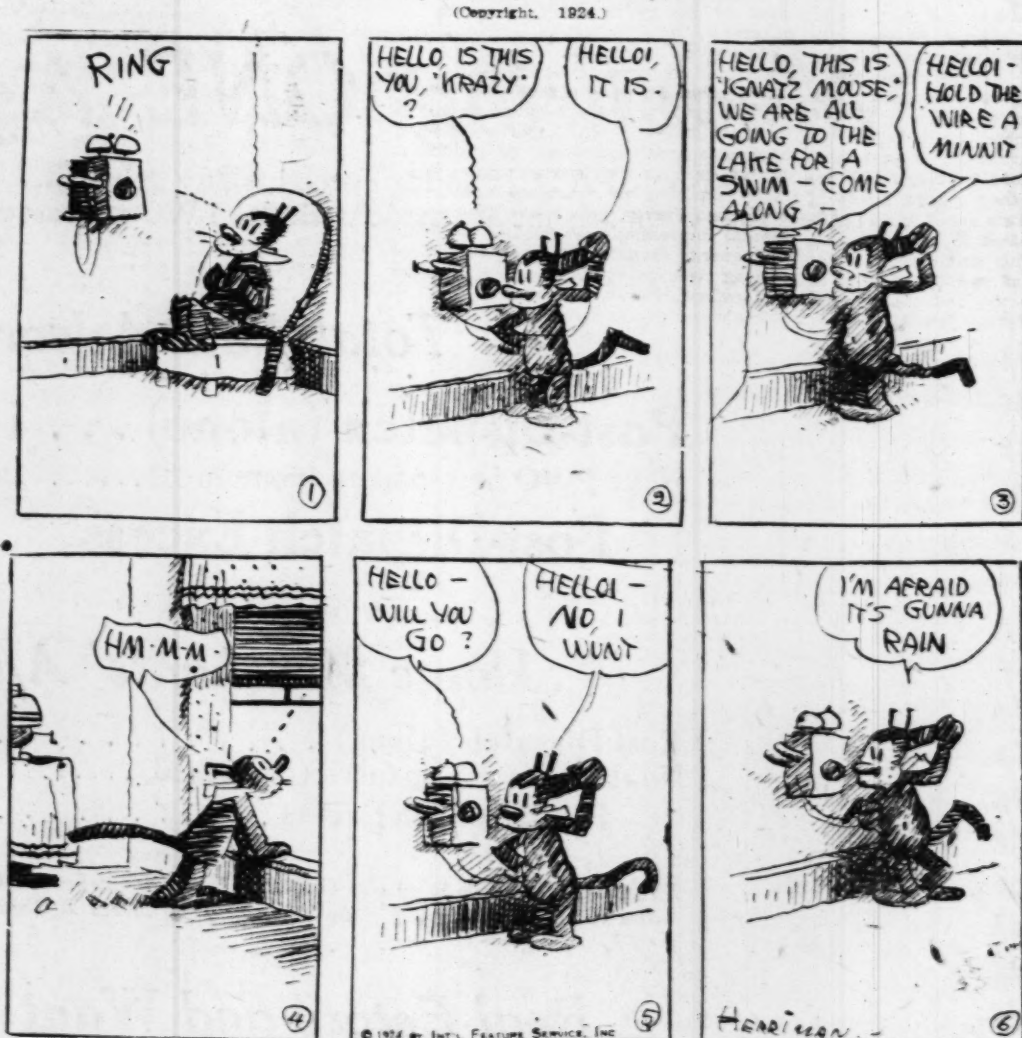
BRINGING UP FATHER—By GEORGE McMANUS



LIFE'S LITTLE JOKES—NUMBER 39,851—By RUBE GOLDBERG



KRAZY KAT—By HERRIMAN



MAH JONGG EXCITEMENT—By FONTAINE FOX



MUT AND JEFF—HUNGER HAS CHANGED THE CAREER OF MANY A MAN—By BUD FISHER





ST. LOUIS POST-DISPATCH

WEEKLY

RADIO GUIDE

BROADCASTING
PROGRAMS OF
PRINCIPAL STATIONS

SECTION of the ST. LOUIS POST-DISPATCH
SATURDAY, MARCH 8, 1924.

Contrasting Modern Broadcasting Systems With Those Employed in the Early Days

By JOHN B. TAYLOR,
Consulting Engineer, General Electric
Company.

THE term "broadcasting" will, for most of us, call to mind such things as microphones, batteries, vacuum tubes, condensers and telephone receivers—all associated with an antenna.

That our familiarity with a certain arrangement of these devices or mechanisms may not cause us to lose sight of fundamental features of the broadcasting enterprise, a brief perspective view is desirable.

In ordinary speech or musical performance the starting point is the conscious mind of speaker or performer, and the final point to be reached is the comprehending brain of the listener. Exactly by the same initial and objective points hold for all broadcasting.

For the common communication as well as for the broadcast communication, control of energy and transformation of energy is involved. In the simpler case a nerve impulse (perhaps electrical in its nature) controls the muscles of larynx, lips and tongue, so that an interrupted or vibrating air-stream gives speech or tone. A wave motion in the air spreads to nearby individuals. The pressure of these air waves on the diaphragm of the ear continues along the tiny bones which connect the external diaphragm with a smaller inner diaphragm, which in turn imparts a corresponding pressure or motion to the fluid of the internal ear. At this point (in an imperfectly understood manner) the pressure or motion affects the nerve lines, which terminate in the fluid, and convey to the brain what is sensed as sound.

All of the same links are used in radio broadcasting, while in addition the chain is greatly lengthened in the middle by adding a transformation from mechanical to electrical energy at the sending station, and a transformation back from electrical to mechanical at the receiving station.

From the diaphragm of the microphone of the head telephone or loud speaker the forces involved are electric and magnetic. The air vibrations given out by receivers or loud speakers correspond to the air vibrations from the voice which were absorbed at the microphone.

The art of communicating between individuals is so old that nothing is known of the beginning, nor is anything known of the first attempts of public speakers or orators to communicate with a large number of people simultaneously.

It is related that Alexander the Great devised or made use of speaking trumpets of enormous size by which he could give orders to his Generals at distances assumed to be the equivalent of about 12 of our present miles. The ancients also gave much attention to the general design and construction details of their open-air theaters with a view to aiding the orator in carrying thoughts in words to the assembled thousands and also to make it possible for the large audiences to enjoy and appreciate the dramatic and musical performances.

In addition to arranging surrounding conditions to favor the transmission of the voice to a large audience, men have always been on the alert to make use of supplementary devices to produce louder sounds carrying to greater distances than is possible with the voice. The drum and trumpet have long served to broadcast information and orders. Other signaling means are cannon, steam whistles

fog horns, sirens and bugles.

There are a number of factors limiting the distance at which sounds can be distinguished, and some of these factors are variable, depending on wind, temperature, etc. Even under favorable conditions, only a few miles can be counted on as a working radius for signaling by sound, while direct speech is seldom intelligible at distances exceeding a few hundred feet.

Sound is carried as a wave or pulse in matter and the speed at which the wave travels is determined not by the intensity of the sound but by the mass and elasticity which are characteristic properties of the matter through which it travels, whether this be air, water or some solid body.

Sound cannot be sent across empty space, but energy in the form of light, heat or other radiation does travel across space which is empty in the ordinary material sense. The word "ether" has long been used to indicate that space, while void of solid, liquid or gas, still possesses the property of passing along impulses or waves. All the observations that we have, tend to show that such widely varying manifestations as X-rays, light which is visible, light below the red end of the spectrum, heat rays, and, finally, the radiations employed in the wireless art; all pass through space at the same speed. This speed is 300 million meters, equivalent to 186,000 miles, in each second. This single velocity for the many forms of radiant energy in the list between X-rays and radio waves appears good evidence for concluding that space, while quite empty of anything that we can detect, still possesses definite physical properties.

Throughout the centuries, working along in parallel with the development of communication by sounds, there has been communication by visible radiation. Under favorable atmospheric conditions, visible signals have a greater working distance than sound signals. An additional advantage of the visible signals is the straight line propagation of light which makes it possible to make the light signals a private or secret matter—whereas, with most sound signals, the information is sent in all directions.

However, the straight line propagation of light and light signals is, from a technical standpoint, merely one of degree, for, if the transmitting medium is not uniform, there results a bending and a scattering of the light. However, from a practical signaling standpoint, visual signals require a straight unobstructed path between transmitter and receiver. It is indeed possible to speak over a beam of light, as has been demonstrated by a number of experimenters in the last 40 years. In essence this is much like our present radio broadcasting, since a continuous radiation of high frequency is controlled or modulated to match the speed vibrations. However, the apparatus differs from wireless equipment, since an arc lamp may serve as transmitting oscillator and a selenium cell with telephone as receiver.

According to the wave theory of light, the frequency is around 500 trillion per second with the corresponding wave length a fraction of a millionth part of a meter. In comparing these figures for light with WGY's frequency of 730,000 cycles and wave length of 350 meters, there is found a ratio of, roughly, 750 million to 1.

While we are able, with lenses, reflectors and shutters to control light radiation, it is not yet practicable to do

this effectively for wireless radiation of the commonly used wave lengths. As a result, the long broadcast radiation follows, to a large degree, the up and down contour of the land, the curvature of the earth and ocean, and bends around buildings and other objects. All this makes it difficult to find a location thoroughly shielded, so that nearly all radio communications are sent out broadcast, requiring only the presence of suitable receiving and selecting devices to pick up the signals or words from the station desired.

It is often said that there is nothing new under the sun. The broadcasting art may be presented as either old or new, depending on the analysis and comparisons that are set up. Men have long employed supplementary devices to aid and extend their ability to see and hear, and in the everyday course of life there are many complex and little understood actions and reactions with transformations of energy from one form to another.

Anywhere within a mile or two of some of the present broadcasting stations, a human body absorbs the radiated energy in greater amount than the quantity of energy which eye or ear must absorb to produce a visual or aural sensation—but, as we have no organs especially adapted to translate this radio broadcast energy into nerve forces and mental impressions, we require detectors and energy transformers as part of receiving sets to reach the brain in an understandable way.

We may speculate on the possibility of a more direct means of sensing the radiated energy. The eye and the ear are more complex than the simplest radio receiving set, so that we may, without going entirely beyond the realms of possibility, suggest that there may come forward some individual who, in the neighborhood of a broadcasting station, can, without detectors or telephone receivers, sense the fact that the station is transmitting. However, as yet we have no reliable reports of the possession by any individual of such ability.

Our present broadcasting activities are a valuable addition to the many means of communication discovered and developed in the course of centuries. Many notable individuals and much organization work has contributed to the technical success and popularity of the present day procedure. Wireless telephony had been successfully demonstrated and used to a limited extent some years before we acquired the habit of looking at the clock, consulting the published program and tuning to receive a particular station. The possibility and desirability of arranging all this was appreciated by some at a time when the exigencies of a great war interfered with advancing the idea. Possibly the delay was beneficial, for, if the movement had been launched with less perfect transmitting and receiving apparatus, the enterprise might have been unsuccessful at the start and thereby have damped any enthusiasm for taking the matter up again when improved tubes and supplementary devices became available.

The wireless art is still young and there have already been several sweeping changes in apparatus and working methods. What strikes me as the one outstanding fact in the whole achievement is that we have succeeded in "putting the bit in the mouth of space," which can carry our speech a million times faster and perhaps a million times farther than before.

Features of Week in Offerings of the Broadcasters

An outstanding feature of the coming week's broadcasting will be offered by Station CKAC, Montreal, Canada, next Thursday night when it will broadcast direct from His Majesty's Theater in Montreal the entire performance of Balieff's "Chauve Souris." This famous Russian entertainment, which ran 17 months in New York, has never before been broadcast.

Station KSD on Thursday night will broadcast the St. Louis Symphony Orchestra's last concert of the current season.

WEAF, New York, will broadcast direct from Carnegie Hall, Monday night, one of the season's big choral events, the concert of the Associated Glee Clubs of America. On Wednesday night it rebroadcasts the United States Marine Band, playing in Washington, and on Friday night it will put on the air a special concert by Paul Whiteman and his band.

Station KYW, Chicago, will have a music novelty Tuesday night in illustration of a lecture on the functions of the instruments in an orchestra there will be sole demonstration of each instrument in turn.

Monday night, WJZ, New York, will broadcast the Japan Society's dinner at the Hotel Astor, with addresses by Masanao Hanhara, Japanese Ambassador to the United States, and Henry W. Taft, president of the society. This station's Wednesday night feature will be first joint radio appearance of Mary Pickford and Douglas Fairbanks.

A music treat Tuesday night will be given by Station WEB, Atlanta, the occasion being the annual festival of the Federation of Musicians at the Auditorium. For that night all the bands and orchestras of Atlanta will play together in an ensemble program.

The opera, "The Rose Maidens," will be broadcast Friday night by Station KDKA, Pittsburgh.

WFAX, Dallas, Tex., Thursday night, will broadcast a concert by the band and glee club of the North Texas Agricultural and Mechanical College at Arlington, Tex.

Wednesday night's feature of Station WLW, Cincinnati, will be a concert by the Tenth Infantry Band.

The Tarkio, Mo., band will be broadcast Friday night by WOAW, Omaha, Neb.

RADIO PROGRAMS OF PRINCIPAL STATIONS

CKAC—MONTREAL, CANADA, (425 METERS.)

SUNDAY, MARCH 9.
4:30 p. m.—Sacred concert; organ, violin, vocal quartet.

MONDAY, MARCH 10.
1:45 p. m.—Mount Royal Hotel concert orchestra.

4 p. m.—Weather, stock, news.
4:30 p. m.—Mount Royal Hotel dance orchestra.

TUESDAY, MARCH 11.
4 p. m.—Weather, news, stock, music.
7 p. m.—Kiddies' stories in French and English.

7:30 p. m.—Rex Battle concert orchestra from the Mount Royal Hotel.

8:30 p. m.—Dantes Belleau and his artists.
10:30 p. m.—Dance program by Jos. C. Smith and his Mount Royal Hotel dance orchestra.

WEDNESDAY, MARCH 12.
1:45 p. m.—Rex Battle and his Mount Royal Hotel Orchestra.

4 p. m.—Weather, news, stock reports.
4:30 p. m.—Mount Royal Hotel Dance Orchestra.

THURSDAY, MARCH 13.
4 p. m.—Weather, news, stocks, music.
7 p. m.—Kiddies' stories in French and English.

7:30 p. m.—Rex Battle and his Mount Royal Hotel Concert Orchestra.

8:30 p. m.—Broadcast of entire performance of Ballets "Chauve Souris," from His Majesty's Theater, Montreal.

10:30 p. m.—Jos. C. Smith and his Mount Royal Hotel Orchestra.

FRIDAY, MARCH 14.
1:45 p. m.—Concert by Mount Royal Hotel Orchestra.

4 p. m.—Weather, news, stocks.
4:30 p. m.—Mount Royal Hotel Dance Orchestra.

SATURDAY, MARCH 15.
7 p. m.—Kiddies' stories in French and English.

7:30 p. m.—Rex Battle and his Mount Royal Hotel Concert Orchestra.

8:30 p. m.—William Eckstein, foremost Canadian theatrical pianist, and his Strand Theater gang.

10:30 p. m.—Joseph C. Smith and his Mount Royal Hotel Dance Orchestra.

Sporting News.

KDCA—PITTSBURG, PA. (326 METERS)

SUNDAY, MARCH 9.
6:30 p. m.—Dinner concert by the Pittsburgh Athletic Association orchestra, Gregoria Scalzo, conductor.

7:45 p. m.—Services of the Point Breeze Presbyterian Church, Rev. Percival H. Barker, minister.

MONDAY, MARCH 10.
8 p. m.—Radio Girl Scout meeting.

8:15 p. m.—Feature.
8:30 p. m.—Concert to be given by KDCA Little Symphony Orchestra, conducted by Victor Saudek; assisted by Mabel King, soprano; Roy Strayer, tenor.

TUESDAY, MARCH 11.
8 p. m.—Radio Girl Scout meeting.

8:15 p. m.—Feature.
8:30 p. m.—Concert by Herbert Rodden, violin; Kathryn Baynton, cello; Nancy Fast, piano.

11:30 p. m.—Concert by the Queen City Orchestra.

WEDNESDAY, MARCH 12.
8 p. m.—Address by Mrs. S. V. Barton of the Woman's Club of Crafton, Pa.

8:15 p. m.—"Riding the Waves Aboard the Steamship Paris," Charles Latus.

8:30 p. m.—Concert by the Tri-State Concert Company, consisting of Virginia Coggins, soprano; Mrs. Edward Todd Batz, contralto; N. E. La Marca, tenor; Joseph A. Rogers, baritone; Mrs. Mourie Hohmeyer Longmore, reader; D. M. Phillips, accompanist.

THURSDAY, MARCH 13.
8 p. m.—Farm program arranged by the National Stockman and Farmer.

8:30 p. m.—Concert by KDCA Little Symphony Orchestra, conducted by Victor Saudek; assisted by Christine Miller Lucas, soprano; Chester Sterling, basso.

11:30 p. m.—Concert.

FRIDAY, MARCH 14.
8 p. m.—Radio Boy Scout meeting.

8:30 p. m.—"The Rose Maiden," by Cowen, presented by Mrs. Frank C. Rex, soprano; Mrs. Robert W. Scott, contralto; Thomas Murdoch, tenor; Adolphus McCue, baritone, composing the Clet Choral Club of Ingram, conducted by Thomas Harborne.

SATURDAY, MARCH 15.
8 p. m.—"Radio Receiving Helps," A. K. Phillips, radio engineer of the Westinghouse Electric and Manufacturing Co.

8:15 p. m.—Feature.
8:30 p. m.—Concert by Westinghouse Band, conducted by T. J. Vastine, assisted by Gilbert Morris, tenor; Keziah Thomas, contralto.

KFI—LOS ANGELES, CAL., (469 METERS.)

SUNDAY, MARCH 9.
10 to 10:45 a. m.—L. A. Church Federation service.

TODAY'S BROADCASTING EVENTS

CKAC, Montreal, Can. (Eastern, 425), 7 p. m., Kiddies' stories in French and English; 7:30, concert. Mt. Royal Hotel Classic Orchestra; 8:30, special; 10:30, dance program, Mt. Royal Hotel.

KDKA, E. Pittsburgh, Pa. (Eastern, 326), 6:15, dinner, Westinghouse Band; 7:30, children's period; 7:45, "Bringing the World to America," Our World; 8, "Radio Receiving Helps," M. C. Batsell; 8:30, Westinghouse Band; Anna Beck, soprano; Arthur Brown, accompanist; Leonard W. Seigel, baritone.

KFI, Los Angeles, Cal. (Pacific, 469), 6:45-7:30 p. m., concert and bedtime story; 8-9, concert presented by Maude Reeves-Barnard; 9-10, Examiner concert; 10-11, vocal and instrumental concert; 11-12, concert by Ambassador-Lyman's Coconut Grove Orchestra.

KGO, Oakland, Cal. (Pacific, 312), 8 p. m., San Jose Scouts' Band, Edward Towner, director; Rita Wilson, soprano; Eugene Cowles, baritone; Arlon Trio.

KGW, Portland, Ore. (Pacific, 492), 10, dance music, George Olsen's Metropolitan Orchestra.

KHJ, Los Angeles, Cal. (Pacific, 389), 8:10, program presented by California Institute of Technology Glee Club; 10-12, Art Hickman's Orchestra.

KPO, San Francisco, Cal. (Pacific, 423), 8:10, Art Weidner's Fairmont Hotel Dance Orchestra; KPO Trio.

KYW, Chicago, Ill. (Central, 536), 7-7:30, dinner concert, Joska DeBabary and his orchestra; Clyde Doerr and his orchestra; 8-8:45, Alma J. Anderson, soprano; Eridtjof N. Stueland, bass; Sammy Stewart and his Knights of Syncope; Sallie Menkes, accompanist; Harriet Kalsh, accompanist; 9:45, "Safety First," Chicago Motor Club; 9:15, "Under the Evening Lamp," Youth's Companion.

WBAP, Fort Worth, Texas (Central, 476), 7-7:30 p. m., Review of Interdenominational Sunday School Lesson and Radio Bible Class, Mrs. W. F. Barnum.

WHZ, Springfield, Mass. (Eastern, 337), 7 p. m., Dinner concert, Hotel Kimball Trio; 7:30, Bedtime story for the kiddies; 7:40, Concert, Mrs. M. J. Aronson, pianist; Mrs. Marguerite Boyd, soprano; Mrs. Charles A. Holmes, contralto; 8:30, Story for grown-ups, Orison S. Marden.

WCAE, Pittsburg, Pa. (Eastern, 462), 6:30, Dinner concert, William Penn Hotel; 7:30, Uncle "Katie"; 7:45, Popular songs, Lew Kennedy; Irene Setzler, pianist; 8:30, Pittsburg Orchestra.

WDAF, Kansas City, Mo. (Central, 411), 6-7, Address, Edgar A. Linton, travelogue; Children's story and information period; Fritz Hancin's Trio; 8:15, "Night-hawk Frolic."

WDAP, Chicago, Ill. (Central, 360), 7-8:30 p. m., Drake Concert Ensemble and Blackstone String Quartet; 10, Harry Davis, Ray Nobles, Harmony Girls, Betty Holmes, Bob Brown; Barton organ, played by Ralph Emerson; Jack Chapman's orchestra.

WEAF, New York, N. Y. (Eastern, 492), 7:30, Evan Davies, impersonator; 7:45, Mme. Suzanne Gallien, contralto; 8, Chieftie Irene Loe; 9:10, Anna Daly, violinist, and Genevieve McKenna, soprano; 9:50, Lawrence W. Ballou, baritone; 10:20, Carl Theodore Saul, pianist.

WFAA, Dallas, Tex. (Central, 476), 8:30-9:30, Musical recital, Frank Renard, pianist; 11:30-12, Dance music, Adolphus Hotel Orchestra.

WFT, Philadelphia, Pa. (Eastern, 395), 6:30, Meyer Davis Bellevue Stratford Concert Orchestra; 9, Sunday school lesson, by Dr. William T. Ellis; 10:10, Charlie Kerr and his Symphonic Dance Orchestra.

WGI, Medford Hills, Mass. (Eastern, 360), 6:30 p. m., Meeting of the Big Brother Amrad Club; 7:30, New England Business Industry, Arthur R. Curnick; Arthur Murray's course in ballroom dancing; 9, Louise Harrett, contralto.

WGR, Buffalo, N. Y. (Eastern, 319), 6:30, Vincent Lopez Hotel Statler Orchestra; 7:30, Discot of the day's news.

WGY, Schenectady, N. Y. (Eastern, 380), 9:30 p. m., Dance music, Romano's Orchestra.

WHAS, Louisville, Ky. (Central, 400), 7-9, Concert, Sylvian Trio; Reading, "An Interesting Historical Episode."

WIP, Philadelphia, Pa. (Eastern, 509), 6:05, Greenwich Village Serenaders Dance Orchestra, direction Dave Martin; 7, Uncle Wip's bedtime stories; 8, Scientific talk, Philadelphia College of Pharmacy and Science; 10:15, Ted Weems and Cafe L'Aiglon Orchestra.

WJAZ, Chicago, Ill. (Central, 448), 10 p. m.—1 a. m., Indiana Male Quartet; Helen Smith, soprano, Oriole Orchestra.

WJZ, New York, N. Y. (Eastern, 455), 7:30, Margaret Friede, soprano, "In Brightest Africa," Carl E. Akley; 8, Margaret Friede; 8:15, "Belgium," Wirt Barnitz; 8:30, Lederkrantz annual orchestra concert.

WLAG, Minneapolis-St. Paul, Minn. (Central, 417), 5:30-6, meeting of Children's Radio Health and Toothbrush Club of America, Dr. F. W. Pepper; 9:15-10:15, studio program, Alden Saxophone Quintet; 10:15-12, dance program, Minneapolis Athletic Club Orchestra.

WMAQ, Chicago, Ill. (Central, 447), 8 p. m., concert, Apollo Commandery Band; 9, Salaban & Katz, Chicago Theater Revue.

WMO, Memphis, Tenn. (Central, 500), 8 p. m., "Woman's Contribution to Civilization," Ida Minerva Tarbell.

WOAW, Omaha, Neb. (Central, 528), 6:30 p. m., dinner concert, Yost's Orchestra of De Luxe Dancing Academy; 9, program, auspices of Omaha Printing Co.

WOC, Davenport, Ia. (Central, 484), 6:30, Sandman's visit; 9, P. S. C. Orchestra; V. B. Rochte, baritone.

WOR, Newark, N. J. (Eastern, 405), 6:15-7, Paul Van Loan's Cinderella Dance Orchestra; 7:15-7:30, Fred J. Bendel, sport writer, Newark Morning Ledger; 8-9:15, Gene Ingram's Bell Record Orchestra; 10-11, Gotham Entertainers of New York.

WTAM, Cleveland, O. (Eastern, 390), 9 p. m., regular Saturday evening dance program by the WTAM Dance Orchestra; vocal solos, Mr. E. J. Brisbane, tenor.

WWJ, Detroit, Mich. (Eastern, 517), 7:30, Detroit News Orchestra; Harold Kean, baritone.

K S D

Saturday—3:00 p. m.
Program by children of the American Loyalty League.

Saturday—8:30 p. m.
Studio program by St. Louis University Glee Club and Orchestra, Geo. Devereux, director. Victor Sherman, basso; James Clark, baritone.

PROGRAM:
8:30—Government Bulletins.
9:00 P. M.
1. Coronation March, Meyerbeer Orchestra.

2. Songs—
(a) Until Coleridge-Taylor
(b) Sleep, Ma Honey De Koven

Glee Club.
3. Dances—Nos. 1 and 2—
"Scenes from the South" Nicode

Orchestra.
4. Songs—
(a) Invictus Huhn
(b) A Banjo Song Homer Mr. Sherman.

5. Songs—
(a) My Bonnie Lassie Old Scotch
(b) In Dulci Jubilo Old German
(c) Cruisken Lawn Old Irish

Glee Club.
6. Overture—Merry Wives of Windsor Lacombe Orchestra.

7. Songs—
(a) Until Ghele
(b) Tommy Lad, Sanderson Mr. Clark.

8. Dances—No. 3—
"Scenes from the South" Nicode

Orchestra.
9. Blue Danube Waltzes Strauss

Glee Club and Orchestra.
Knabe and Steinway pianos used.

Sunday—9:00 P. M.
Missouri Theater Orchestra concert and specialties broadcast direct from the theater.

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WMO, Memphis, Tenn. (Central, 500), 8 p. m., "Woman's Contribution to Civilization," Ida Minerva Tarbell.

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WTAM, Cleveland, O. (Eastern, 390), 9 p. m., regular Saturday evening dance program by the WTAM Dance Orchestra; vocal solos, Mr. E. J. Brisbane, tenor.

WWJ, Detroit, Mich. (Eastern, 517), 7:30, Detroit News Orchestra; Harold Kean, baritone.

4 to 5 p. m.—Federated Church Musicians' vesper service.
6:45 to 7:30 p. m.—Bedtime story and concert.
8 to 9 p. m.—Ambassador Hotel concert.

9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Theron Bennett's Packard Six.

MONDAY, MARCH 10.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

TUESDAY, MARCH 11.
8 to 9 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Moving picture stars.

WEDNESDAY, MARCH 12.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Hollywoodland Community Orchestra.

11 to 12 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

THURSDAY, MARCH 13.
6:45 to 7:30 p. m.—T. M. C. A. concert, sales lecture and bedtime story.
8 to 9 p. m.—Ambassador Hotel concert.

9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Marion Warder concert.

FRIDAY, MARCH 14.
6:45 to 7:30 p. m.—Jean Smalley, whistler; Lloyd Head, vocalist.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Vocal and instrumental concert.

11 to 12 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

SATURDAY, MARCH 15.
6:45 to 7:30 p. m.—Bedtime story and concert.

8 to 9 p. m.—Woman's Lyric Club.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Vocal and instrumental concert.

11 to 12 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

KGO—OAKLAND, CALIF., (312 METERS.)

TUESDAY, MARCH 11.
8 p. m. (Pacific time)—Musical program.

THURSDAY, MARCH 13.
8 p. m. (Pacific time)—Musical program.

SATURDAY, MARCH 15.
8 p. m. (Pacific time)—Musical program.

KGW—PORTLAND ORE. (492 METERS.)

SUNDAY, MARCH 9.
7 p. m.—George Olsen's Metropolitan Orchestra in dinner program of concert music from Hotel Portland.

MONDAY, MARCH 10.
7 p. m.—Health talk under auspices University of Oregon Medical School, by Dr. A. W. Chance, clinical lecturer in dental surgery. Subject: "The Mouth and Teeth in Health and Disease."

7:30 p. m.—Weather forecast and market reports.
8 p. m.—Solo concert.
9:30 p. m.—Concert by the Beaux Arts Society.

TUESDAY, MARCH 11.
7:45 p. m.—Talk for farmers, Oregon Agricultural College Extension Service.

WEDNESDAY, MARCH 12.
8 p. m.—Concert by Columbia Theater All-Artist Orchestra; Harry Linden, director.

9 p. m.—Alexander Hamilton Institute Business Talk by James Albert.

10 p. m.—Dance music by George Olsen's Metropolitan Orchestra of the Hotel Portland.

THURSDAY, MARCH 13.
8 p. m.—Radio play.

10 p. m.—Dance music by George Olsen's Metropolitan Orchestra of the Hotel Portland.

FRIDAY, MARCH 14.
8 p. m.—Accordion solos by Johnny Sylvester.

8:15 p. m.—Studio program of dance music by George Olsen's Metropolitan Orchestra of Hotel Portland; Herman Kenin, director.

9 p. m.—Educational lecture provided by University of Oregon Extension Department.

10:30 p. m.—Hoot Owls.

SATURDAY, MARCH 15.
10 p. m.—Weather forecast and dance music by George Olsen's Metropolitan Orchestra of Hotel Portland (two hours).

KHJ—LOS ANGELES, CAL. (395 METERS)

SUNDAY, MARCH 9.
10:30 a. m. to 12:30 p. m.—Organ recital and entire religious service from the First Methodist Episcopal Church; Arthur Blakeley, organist.

8 to 10 p. m.—Pasadena Community

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roadcasters, Edward Murphy, manager, will present "The Merchant of Venice" to be played by Maurice Music between acts.

MONDAY, MARCH 10.
10:30 to 1:30 p. m.—Program presented by Arthur Raymond Hill, tenor, and Hatch, pianist. Silent remainder of

TUESDAY, MARCH 11.
10 to 10 p. m.—Program arranged by debaker Beasley, known to radio as "Colin Jim." Dr. Thomas Lutz, lecturer, will talk on "The Stone Turns Everything to Gold."

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

WEDNESDAY, MARCH 12.
10 to 10 p. m.—Program through the story of the Radio Sales and Service of Los Angeles.

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

THURSDAY, MARCH 13.
10 to 10 p. m.—Mexican program arranged by Jose Arias.

10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

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STATIONS

TO BE BROADCAST THIS COMING WEEK

Time given is local for each station. When it is 6 p. m. in St. Louis it is 7 p. m. Eastern Standard Time, and 4 p. m. Pacific Time. No broadcasting station in this Guide is located in Mountain Time territory. Detroit, Buffalo, Cleveland and Pittsburg operate on Eastern Time. All Mississippi Valley stations and Atlanta, Ga., have Central Standard Time.

4 to 5 p. m.—Federated Church Musicians' vespers service.
6:45 to 7:30 p. m.—Bedtime story and concert.
8 to 9 p. m.—Ambassador Hotel concert.

9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Theron Bennett's Backyard Six.

MONDAY, MARCH 10.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

TUESDAY, MARCH 11.
8 to 9 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Moving picture stars.

WEDNESDAY, MARCH 12.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Hollywoodland Community Orchestra.

11 to 12 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

THURSDAY, MARCH 13.
6:45 to 7:30 p. m.—Y. M. C. A. concert, sales lecture and bedtime story.
8 to 9 p. m.—Ambassador Hotel concert.

9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Marion Ward concert.

FRIDAY, MARCH 14.
6:45 to 7:30 p. m.—Jean Smalley, hostess; Lloyd Head, vocalist.
8 to 9 p. m.—Evening Herald concert.
9 to 10 p. m.—Examiner concert.

10 to 11 p. m.—Vocal and instrumental concert.

11 to 12 p. m.—Ambassador-Lyman's Coconut Grove Orchestra.

SATURDAY, MARCH 15.
6:45 to 7:30 p. m.—Bedtime story and concert.

8 to 9 p. m.—Woman's Lyric Club.
9 to 10 p. m.—Examiner concert.
10 to 11 p. m.—Vocal and instrumental concert.

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GO—OAKLAND, CALIF., (312 METERS.)

TUESDAY, MARCH 11.
8 p. m. (Pacific time).—Musical program.

THURSDAY, MARCH 13.
8 p. m. (Pacific time).—Musical program.

SATURDAY, MARCH 15.
8 p. m. (Pacific time).—Musical program.

KGW—PORTLAND ORE. (492 METERS.)

SUNDAY, MARCH 9.
7 p. m.—George Olsen's Metropolitan Orchestra in dinner program of concert music from Hotel Portland.

MONDAY, MARCH 10.
7 p. m.—Health talk under auspices of University of Oregon Medical School, by Dr. A. W. Chance, clinical lecturer in dental surgery. Subject: "The Mouth and Teeth in Health and Disease."
7:30 p. m.—Weather forecast and market reports.
8 p. m.—Solo concert.
8:30 p. m.—Concert by the Beaux Arts society.

TUESDAY, MARCH 11.
7:45 p. m.—Talk for farmers, Oregon Agricultural College Extension Service.

WEDNESDAY, MARCH 12.
8 p. m.—Concert by Columbia Theater Artist Orchestra; Harry Linden, director.
9 p. m.—Alexander Hamilton Institute business talk by James Albert.
10 p. m.—Dance music by George Olsen's Metropolitan Orchestra of the Hotel Portland.

THURSDAY, MARCH 13.
8 p. m.—Radio play.
10 p. m.—Dance music by George Olsen's Metropolitan Orchestra of the Hotel Portland.

FRIDAY, MARCH 14.
8 p. m.—Accordian solos by Johnny Ivester.
8:15 p. m.—Studio program of dance music by George Olsen's Metropolitan Orchestra of Hotel Portland; Herman Smith, director.
9 p. m.—Educational lecture provided by University of Oregon Extension Department.
10:30 p. m.—Hoot Owls.

SATURDAY, MARCH 15.
10 p. m.—Weather forecast and dance music by George Olsen's Metropolitan Orchestra of Hotel Portland (two hours).

HJ—LOS ANGELES, CAL (395 METERS)

SUNDAY, MARCH 9.
10:30 a. m. to 12:30 p. m.—Organ recital and entire religious service from First Methodist Episcopal Church; Arthur Blakeley, organist.
8 to 10 p. m.—Pasadena Community

masters, Edward Murphy, manager, will present "The Merchant of Venice" music to be played by Maurice Truitt between acts.

MONDAY, MARCH 10.
8 to 10 p. m.—Program presented by Arthur Raymond Hill, tenor, and Hatch, pianist. Silent remainder of

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8 to 10 p. m.—Program arranged by Debaker Beardsley, known to radio as "Golden Jim." Dr. Thomas Lutz, lecturer, will talk on "The Stone Turns Everything to Gold."

8 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from the Los Angeles Biltmore Hotel.

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8 to 10 p. m.—Mexican program arranged by Jose Arias.
10 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from Los Angeles Biltmore Hotel.

SATURDAY, MARCH 15.
8 to 10 p. m.—Program presented by Helena Pirie, screen juvenile; Clinton Hays Coddington, pianists. Bedtime story by "Uncle John."

10 to 12 p. m.—Program presented by Frank Norris, mezzo-soprano; Silver Trio of San Diego.
12 to 12 p. m.—Broadcasting Art Hickman's Orchestra by line telephony from Los Angeles Biltmore Hotel.

MONDAY, MARCH 10.
7:30 to 8:30 p. m.—Concert offered by Guy Pitner, pianist, and Brooks Morris, violinist, with assisting artists.
8:30 to 10:45 p. m.—Concert by the 45-piece band of the Texas Agricultural and Mechanical College of College Station, Texas.

TUESDAY, MARCH 11.
7:30 to 8:30 p. m.—Concert offered by the Texas Woman's College.
8:30 to 10:45 p. m.—Concert by the Municipal Band of Slaton, Tex.

WEDNESDAY, MARCH 12.
7:30 to 8:30 p. m.—Concert offered by Mrs. Pearl Calhoun Davis, soprano, artist-teacher.
8:30 to 10:45 p. m.—Concert by George Freeman's Sooner Sorenaders, the Texas Hotel Orchestra.

THURSDAY, MARCH 13.
7:30 to 8:30 p. m.—Concert by Mrs. Isach's Orchestra.
8:30 to 10:45 p. m.—Monthly concert offered by the Fort Worth Euterpean Club.

FRIDAY, MARCH 14.
7:30 to 8:30 p. m.—Concert arranged by Ted Roy, with assisting artists, from Ardmore, Ok.
8:30 to 10:45 p. m.—Monthly concert by the College of Industrial Arts, Denton, Tex.

SATURDAY, MARCH 15.
7 to 7:30 p. m.—Review of the interdenominational Sunday School lesson and Radio Bible Class by Mrs. W. F. Barnum.

MONDAY, MARCH 10.
10:55 a. m.—Church services from the South Congregational Church; Rev. James Gordon Gilkey, pastor; music by Prof. Wilson P. Moore, organist and choir of 24 voices; the quartet is as follows: Mrs. Giles Blazue, soprano; Mrs. A. E. Waite, contralto; William L. Spittall, tenor, and Albert E. Edwards, bass.
6:45 p. m.—Sunday vespers on the Springfield Municipal chime transmitted from the Campanile, Ernest Newton Bagg, chime ringer.

TUESDAY, MARCH 11.
7:40 p. m.—Concert by Grace M. Adams, pianist; Ethel Noble, pianist.
8:25 p. m.—Story for grownups, by Orison S. Marden.

WEDNESDAY, MARCH 12.
7:40 p. m.—Program of chamber music

by the WEBZ string choir; program arranged by Philip Sevasta; Mrs. Cecilia Cox Denton, soprano.
8:25 p. m.—Story for grownups, by Orison S. Marden.

THURSDAY, MARCH 13.
7:40 p. m.—Concert by Mrs. Follis Gould, soprano; C. B. Webster, bass; Mrs. Webster, pianist and accompanist.
8:25 p. m.—Story for grownups, by Orison S. Marden.

FRIDAY, MARCH 14.
11 p. m.—Program of chamber music by the WBZ Orchestra, and Mrs. Helen Winkley, soprano.

SATURDAY, MARCH 15.
8:25 p. m.—Story for grownups, by Orison S. Marden.

WCAE—PITTSBURG, PA. (462 METERS.)

SUNDAY, MARCH 9.
6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

MONDAY, MARCH 10.
8 p. m.—Radio dancing lesson No. 11, prepared by Arthur Murray.
8:30 p. m.—Musical program by a group of Jerome H. Remick artists.

TUESDAY, MARCH 11.
7:45 p. m.—Lew Kennedy will sing several late popular numbers. Miss Irene Setzler at the piano.
8 p. m.—Silent period.
8:30 p. m.—Musical program by the Harmonyland Entertainers.

WEDNESDAY, MARCH 12.
8:30 p. m.—Minstrel, to be presented under the direction of Miss Chapple O'Connell.

THURSDAY, MARCH 13.
8 p. m.—Sixth of a series of Thursday night addresses on interesting subjects, by Rev. Clyde L. Nevins, pastor Knox-ville M. E. Church, Pittsburg, recently returned from abroad.
8:15 p. m.—Silent period.
8:30 p. m.—Musical program by the Pittsburg Glee and Mandolin Club.

FRIDAY, MARCH 14.
6:30 p. m.—Dinner concert transmitted from William Penn Hotel.
7:30 p. m.—Uncle "Kaybee."
8 p. m.—Silent period.
8:30 p. m.—Musical program by Smith-Taft Orchestra.

SATURDAY, MARCH 15.
7:30 p. m.—Uncle "Kaybee." Lew Kennedy will sing several late popular numbers. Miss Irene Setzler at the piano.
8:30 p. m.—Musical program by the Symphonie Eight.

WCBD—ZION, ILL. (345 METERS.)

MONDAY, MARCH 10.
8 p. m.—Brass Quartet: Messrs. New-comer, Mason, Schultz and Dunn. The Hire Trio (string and piano): Mr. Richard F. Hire and Mrs. L. J. Hire. Assisted by the following performers: Mr. William C. Dunn, euphonium; Mrs. G. R. Sparrow, contralto; Mr. Mark Whiteside, baritone; Mr. P. E. Newcomer, cornet; Miss Mary Sweeney, piano; Mr. and Mrs. G. R. Sparrow, tenor and contralto; Mr. Richard F. Hire and Mr. Sydney Stewart, violins; the Messrs. Mary Sweeney, Laura Naffziger and Katherine Schmidt, ladies' trio.

THURSDAY, MARCH 13.
8 p. m.—Chorus by Zion Choir and miscellaneous program, including violin solos by Richard F. Hire, with Mrs. A. E. Hueneryager at the piano; contralto solo by Mrs. P. M. La Rose, with Mrs. R. M. Steel at the piano; soprano and contralto duet by Mrs. J. D. Thomas and Mrs. G. R. Sparrow; flute solo, Alexander de Pew; string quartet, by Richard F. Hire, Mr. and Mrs. L. J. Hire and Herman Becker.

WCX—DETROIT, MICH. (517 METERS)

MONDAY, MARCH 10.
2 p. m.—News bulletins.
2:15 p. m.—Stock quotations.
2:50 p. m.—Government weather forecast.
4:15 p. m.—Music.
6 p. m.—Dinner concert, broadcast from Hotel Tuller.

7 p. m.—Musical program, under the auspices of the Alpha Iota Musical Society.

TUESDAY, MARCH 11.
6 p. m.—Dinner concert, broadcast from Hotel Tuller.
10 p. m.—Red Apple Club.

WEDNESDAY, MARCH 12.
6 p. m.—Dinner concert, broadcast from Hotel Tuller.

WDAF—KANSAS CITY, MO (411 METERS)

SUNDAY, MARCH 9.
4 to 5 p. m.—Program given by the Ivanhoe Band of Kansas City, Kan., under the direction of C. Greenwood.

MONDAY, MARCH 10.
8 to 9:15 p. m.—Popular program: Henry Moss' Elite Society Orchestra with vocal entertainers.
11:45 p. m. to 1 a. m.—(Nighthawk Frolic). The "Merry Old Chief" and the Coon-Sanders Novelty-Singing Orchestra, Plantation Grill, Hotel Muehlebach.

TUESDAY, MARCH 11.
11:45 p. m. to 1 a. m.—(Nighthawk Frolic). The "Merry Old Chief" and the Coon-Sanders Novelty-Singing Orchestra, Plantation Grill, Hotel Muehlebach.

WEDNESDAY, MARCH 12.
8 to 9:15 p. m.—Classical concert: Program by the Associated Music Clubs of Kansas City.
11:45 p. m. to 1 a. m.—(Nighthawk Frolic). The "Merry Old Chief" and the Coon-Sanders Novelty-Singing Orchestra, Plantation Grill, Hotel Muehlebach.

THURSDAY, MARCH 13.
11:45 p. m. to 1 a. m.—(Nighthawk Frolic). The "Merry Old Chief" and the Coon-Sanders Novelty-Singing Orchestra, Plantation Grill, Hotel Muehlebach.

FRIDAY, MARCH 14.
8 to 9:15 p. m.—Novelty night: Program arranged and presented by O. J. Ochs.
11:45 p. m. to 1 a. m.—(Nighthawk Frolic). The "Merry Old Chief" and the Coon-Sanders Novelty-Singing Orchestra, Plantation Grill, Hotel Muehlebach.

SATURDAY, MARCH 15.
11:45 p. m. to 1 a. m.—(Nighthawk Frolic). The "Merry Old Chief" and the Coon-Sanders Novelty-Singing Orchestra, Plantation Grill, Hotel Muehlebach.

first tenor; D. E. Kistler, second tenor; M. H. Marquardt, baritone; A. M. Ha-berg, basso; Mr. Frank Foy, tenor, accompanied by George E. H. Stewart; Mrs. Grace Swisher, soprano; Edille Menkes, accompanist; Richard Ellensohn, basso; Pauline Dixon, accompanist. Pennsylvania Railway orchestra, Logansport division. Program will be announced by radio-telephone.

9:05 p. m.—"Safety First" talk by Chicago Motor Club.

9:15 p. m.—"Under the Evening Lamp," service furnished by the Youth's Companion, including short stories, articles and humorous sketches.

PWX—HAVANA, CUBA., (400 METERS)

WEDNESDAY, MARCH 12.
Concert at the Malecon Band Stand, by the General Staff Band of the Cuban Army; Capt. Jose Molina Torres, Director.

SATURDAY, MARCH 15.
Concert at the studio of Station PWX, by the violinist, Vallerio Valle; Carlos Fernandez, pianist, and Mrs. Graciella Tanez del Castillo, soprano, with foreign and Cuban music.

WBAP—FORT WORTH, TEX. (476 METERS.)

SUNDAY, MARCH 9.
11 a. m. to 12:15 p. m.—Complete services of the First Christian Church; Rev. L. D. Anderson, pastor.
4 to 5 p. m.—Organ concert by Miss Margaret Agnew White of the Rialto Theater.
5 to 6 p. m.—Address by Rev. J. Frank Norris, pastor of the First Baptist Church.
11 to 12 p. m.—Concert by Fred Ca-hoon's WBAP Southern Sorenaders Or-chestra.

MONDAY, MARCH 10.
7:30 to 8:30 p. m.—Concert offered by Guy Pitner, pianist, and Brooks Morris, violinist, with assisting artists.
8:30 to 10:45 p. m.—Concert by the 45-piece band of the Texas Agricultural and Mechanical College of College Station, Texas.

TUESDAY, MARCH 11.
7:30 to 8:30 p. m.—Concert offered by the Texas Woman's College.
8:30 to 10:45 p. m.—Concert by the Municipal Band of Slaton, Tex.

WEDNESDAY, MARCH 12.
7:30 to 8:30 p. m.—Concert offered by Mrs. Pearl Calhoun Davis, soprano, artist-teacher.
8:30 to 10:45 p. m.—Concert by George Freeman's Sooner Sorenaders, the Texas Hotel Orchestra.

THURSDAY, MARCH 13.
7:30 to 8:30 p. m.—Concert by Mrs. Isach's Orchestra.
8:30 to 10:45 p. m.—Monthly concert offered by the Fort Worth Euterpean Club.

FRIDAY, MARCH 14.
7:30 to 8:30 p. m.—Concert arranged by Ted Roy, with assisting artists, from Ardmore, Ok.
8:30 to 10:45 p. m.—Monthly concert by the College of Industrial Arts, Denton, Tex.

SATURDAY, MARCH 15.
7 to 7:30 p. m.—Review of the interdenominational Sunday School lesson and Radio Bible Class by Mrs. W. F. Barnum.

MONDAY, MARCH 10.
10:55 a. m.—Church services from the South Congregational Church; Rev. James Gordon Gilkey, pastor; music by Prof. Wilson P. Moore, organist and choir of 24 voices; the quartet is as follows: Mrs. Giles Blazue, soprano; Mrs. A. E. Waite, contralto; William L. Spittall, tenor, and Albert E. Edwards, bass.
6:45 p. m.—Sunday vespers on the Springfield Municipal chime transmitted from the Campanile, Ernest Newton Bagg, chime ringer.

TUESDAY, MARCH 11.
7:40 p. m.—Concert by Grace M. Adams, pianist; Ethel Noble, pianist.
8:25 p. m.—Story for grownups, by Orison S. Marden.

WEDNESDAY, MARCH 12.
7:40 p. m.—Program of chamber music

by the WEBZ string choir; program arranged by Philip Sevasta; Mrs. Cecilia Cox Denton, soprano.
8:25 p. m.—Story for grownups, by Orison S. Marden.

THURSDAY, MARCH 13.
7:40 p. m.—Concert by Mrs. Follis Gould, soprano; C. B. Webster, bass; Mrs. Webster, pianist and accompanist.
8:25 p. m.—Story for grownups, by Orison S. Marden.

FRIDAY, MARCH 14.
11 p. m.—Program of chamber music by the WBZ Orchestra, and Mrs. Helen Winkley, soprano.

SATURDAY, MARCH 15.
8:25 p. m.—Story for grownups, by Orison S. Marden.

WCAE—PITTSBURG, PA. (462 METERS.)

SUNDAY, MARCH 9.
6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

MONDAY, MARCH 10.
8 p. m.—Radio dancing lesson No. 11, prepared by Arthur Murray.
8:30 p. m.—Musical program by a group of Jerome H. Remick artists.

TUESDAY, MARCH 11.
7:45 p. m.—Lew Kennedy will sing several late popular numbers. Miss Irene Setzler at the piano.
8 p. m.—Silent period.
8:30 p. m.—Musical program by the Harmonyland Entertainers.

WEDNESDAY, MARCH 12.
8:30 p. m.—Minstrel, to be presented under the direction of Miss Chapple O'Connell.

THURSDAY, MARCH 13.
8 p. m.—Sixth of a series of Thursday night addresses on interesting subjects, by Rev. Clyde L. Nevins, pastor Knox-ville M. E. Church, Pittsburg, recently returned from abroad.
8:15 p. m.—Silent period.
8:30 p. m.—Musical program by the Pittsburg Glee and Mandolin Club.

FRIDAY, MARCH 14.
6:30 p. m.—Dinner concert transmitted from William Penn Hotel.
7:30 p. m.—Uncle "Kaybee."
8 p. m.—Silent period.
8:30 p. m.—Musical program by Smith-Taft Orchestra.

SATURDAY, MARCH 15.
7:30 p. m.—Uncle "Kaybee." Lew Kennedy will sing several late popular numbers. Miss Irene Setzler at the piano.
8:30 p. m.—Musical program by the Symphonie Eight.

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MONDAY, MARCH 10.
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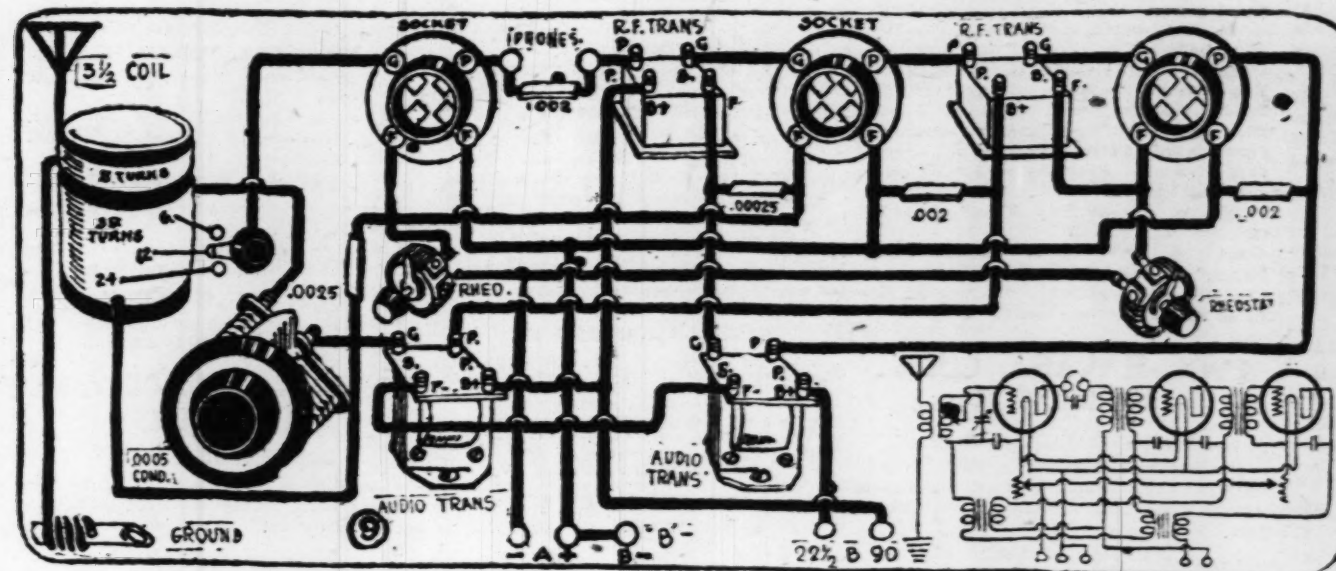
WEDNESDAY, MARCH 12.

Building Your Radio Suit Yourself

BEST THREE-TUBE CIRCUIT "DISTANCE" AND VOICE

Third of a Series of Pages Reviewing Circuits of Tested, With Building Instructions

NO. 9—THREE TUBE INVERSE REFLEX



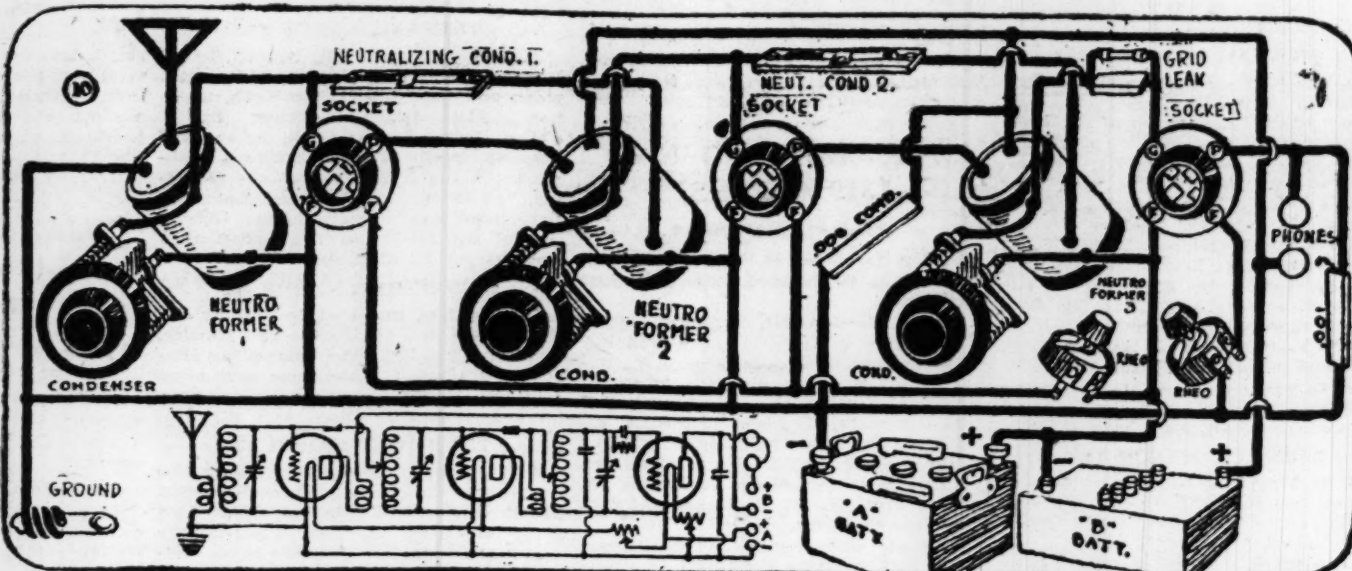
Radio Suit Your Pocketbook

THREE-TUBE CIRCUIT "DISTANCE" AND VOLUME

By Circuits of Tested With Building Instructions and Guide to Probable Costs

What It Will Build These

NO. 10—NEUTRODYNE DETECTOR SET

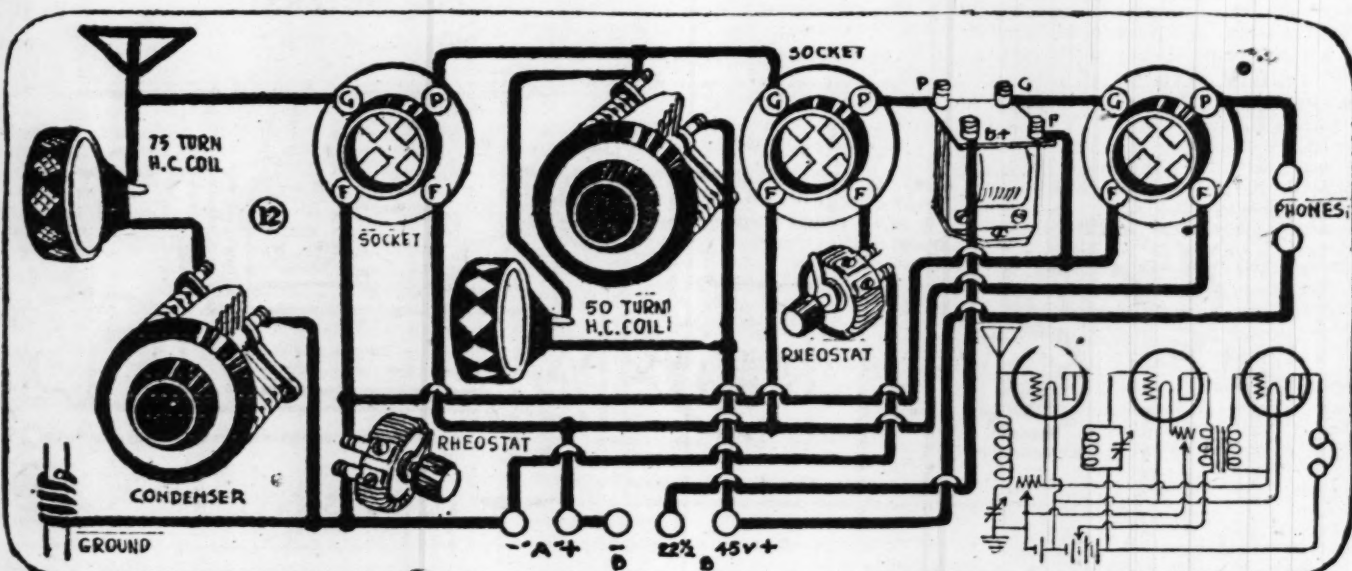


THE receiving set shown in the picture and schematic diagrams above is that of the Neutrodyne. It is one of the most selective and easily handled receiving sets on the present market. It is different from any other circuit ever presented to the radio public in that it makes use of a new system—that of neutralizing the internal tube capacities which heretofore have been the limiting factor in the use of radio frequency amplification. The set shown above just gives two stages of neutralized tuned radio frequency amplification and a detector. Two stages of audio frequency amplification will adapt it for use with a loud speaking device on which all of the stations within a radius of 1200 miles can be enjoyed, that is, under favorable conditions. In the suburbs surrounding New York City it is not uncommon to hear of this type set bringing in the stations on the West Coast quite regularly.

It will operate most efficiently on a standard aerial of approximately 100 feet, either of the indoor or outdoor type. The local stations under most conditions can be tuned in with sufficient volume on one stage of audio amplification to fill any living room with music.

Now as to the purchasing of the desired parts. All that we have said in the past about the advisability of buying only the best applies particularly to this circuit. You may be able to make your own

NO. 12—TUNED R. F. DETECTOR AND A. F.



CIRCUIT NO. 12 of this series is one that will give good results if constructed properly. It is a combination receiver which will amplify the incoming signal, detect it and then amplify the voice or music. Three tubes are used, one for the radio frequency amplifier, one for the detector and one for the audio frequency amplifier.

There are two ways of obtaining radio frequency amplification. One is by the use of a radio frequency transformer, which in some respects acts like an audio frequency transformer. The other method is by means of tuned impedance and operates fairly satisfactorily. The latter method is about the most efficient. In fact, the popular neutrodyne receiver is really tuned impedance radio frequency amplification.

The circuit above uses the tuned impedance system of obtaining radio frequency amplification. This unit is connected between the first and the second tube. It consists of the honeycomb coil with a variable condenser connected across it.

Three vacuum tubes are used in this circuit. The first tube is the radio frequency amplifier tube and for the best results it should be a UV201-A or C201-A. However, almost any other type of tube may be used, providing it is an amplifying tube. The second tube is the detector and it is advisable to use the UV226, as this tube is a very sensitive detector and naturally the best results will

be obtained. Another UV201A tube is used in the audio frequency amplifier. It is good practice to have both amplifying tubes of the same type.

In this circuit the two amplifying tubes are on the same rheostat. This practice is allowed because the adjustments on these two tubes are not critical. A separate rheostat controls the detector tube. If a storage battery is used, the resistance of the rheostat for the amplifier tubes should be 20 ohms and the resistance of the detector rheostat should be 6 ohms. That is, if the above type of vacuum tubes are selected.

Two honeycomb coils are used. The first coil, which is in the aerial, is a 75-turn coil. A 25-plate condenser is connected in series with this coil and the ground post. This coil is lettered L1. The second coil, which is lettered L2, is the radio frequency coil and has 50 turns. A 25-plate variable condenser is connected across this coil. An audio frequency transformer of any standard make can be used. Two B batteries are used in this circuit. A 22½-volt battery for the detector and a 45-volt battery for the amplifiers.

The circuit diagram above is self-explanatory. Operation of the set is accomplished by tuning both variable condensers at the same time. If the circuit squeals, connect a potentiometer across the A battery leads and bring the center post to the lead which is connected to the ground post from the minus filament.

CIRCUIT NO. 10 DESCRIBED AND ILLUSTRATED ON THIS PAGE

signals come in loudest. Readjust all three dials at about the same setting.

3. Completely remove the first radio frequency amplifier tube.

4. Readjust all three dials carefully until the signals again come in at the same strength.

5. Now take the tube from the first radio frequency socket and place a piece of paper over one of its filament contact points so that the tube is in position when the tube is again inserted in its socket.

6. Placing the tube back will connect the plate and grid of the tube in circuit with its filament to light, as the paper over the contact point is removed. With the tube back again in its socket and filament lit, buzzer signals will undoubtedly still be heard. The strength of these signals, however, can be varied from loud to weak by moving the brass tube of the first neutrodyne. This adjustment should be made to a point where the signals are very weak, or disappear entirely, and no sound is heard.

This point of complete neutralization will be easily recognized, because signals will come in very strong if the brass tube is moved even a fraction of an inch either side of the correct balanced-out position of the neutrodyne. Usually, when properly adjusted, the brass tube will be about in the center of the neutrodyne.

Now by entirely removing the tube from its socket signals will come in loud. Immediately replacing the tube in its socket (with the paper still in place), the signals will disappear, or be very weak. This is the desired condition, and the neutrodyne condenser, after being very carefully adjusted to this minimum signal point, should be permanently fastened.

7. This covers the neutralizing adjustment for the first radio frequency tube. Identically the same procedure is followed out

with the second radio frequency tube, having all other tubes, including the first radio frequency tube, in their sockets and lighted but putting the paper over the contact pin of the second radio frequency tube and adjusting the second neutrodyne while the second radio frequency tube is in its socket with its filament unit. In balancing-out the second radio frequency tube, the above numerical instructions can be followed as before, beginning with No. 2.

It is important, when adjusting either neutrodyne, that all three neutrodyne dials should be adjusted for maximum signals before final neutralization adjustments are made.

The neutrodyne condensers have three terminals. Ordinarily the connections are made to the two end terminals. Sometimes, however, one cannot seem to obtain a good minimum balance-signal in this way. Then it is recommended that one of the neutrodyne connections be made to the center tap. This gives a greater capacity range to the neutrodyne and by rebalancing a good minimum signal should be obtained.

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RADIO PROGRAMS for the WEEK—Continued

WEAF—NEW YORK, N. Y.
(429 METERS)

SUNDAY, MARCH 9.

7:20 to 9 p. m.—Special musical program direct from the Capitol Theater, New York City.

9 to 10 p. m.—Organ recital, direct from the studio of the Skinner Organ Co., New York.

MONDAY, MARCH 10.

4 to 5:20 p. m.—Rosa Powell, contralto; Joseph M. White, tenor. Mothers' program under the auspices of the United Synagogue of America.

7 to 8:30 p. m.—Margaret McCambridge, soprano, now playing with "Rise of Rosie O'Reilly." Personal interview between Richard Dix, motion picture actor, and Nanette Kauter. "Sixty Years with Girls," by Edward F. Elmer. Daily sport talk by Thornton Fisher. Eureka Fire Hose Manufacturing Co.'s dance orchestra. "The Importance of Business Letters," No. 4, by Benson G. H. Durant of Sales Literature, Inc.

8:30 to 10:30 p. m.—Concert by the Associated Glee Clubs of America, direct from Carnegie Hall, New York City.

TUESDAY, MARCH 11.

7:20 to 10 p. m.—Daily sport talk by Thornton Fisher. "Eveready Battery" Entertainers. "Brooklyn Daily Eagle Weekly Digest," by H. V. Kallenborn, associate editor of the Brooklyn Daily Eagle. Mable Emple, mezzo soprano. "Columbia Records," direct from Columbia recording studios. James Haupt, tenor.

WEDNESDAY, MARCH 12.

7 to 10 p. m.—Religious services under the auspices of the United Synagogue of America. Talk by the American Agriculturalist. Fannie Todd, soprano. One of the series of lectures on "Practical American Politics," by Schuyler C. Wallace of Columbia University, under the auspices of the Home Study Course. Concert by the U. S. Marine Band, direct from Washington, D. C.

THURSDAY, MARCH 13.

7 to 10:30 p. m.—Mid-week services under the auspices of the New York Federation of Churches. Ernest Thompson Seton, speaking for National Carbon Co. Talk by the Bank of America. Concert direct from Hunter College, under the auspices of the Adolph Lewisohn Free Public Course in Chamber Music. Emma Burkhardt, soprano, accompanied by Vera Eakin. Pasquale Ferrara, tenor, accompanied by Enrico Baraja.

FRIDAY, MARCH 14.

7:20 to 11 p. m.—David Brown, pianist. "The Happiness Boys," Billy Jones and Ernest Hare. Music by the World Mutual Insurance Co.'s instrumental trio, and talk on the care and safe operation of automobiles by Maj. A. Stewart. B. Fischer & Co.'s "Jazz Coffee" dance orchestra.

12:30 to 1:30 a. m.—Special concert by Paul Whiteman and his orchestra, receding program recently given at Aeolian Hall.

SATURDAY, MARCH 15.

7:20 to 10:30 p. m.—Mary Van Dorn, soprano, accompanied by Mrs. William Redick. "The Chieftain Quartet," assisted by the "Chieftain Trio" of the American Chieftain Co. Talk by Ralph Hayes, director of the New York Community Trust Co. Harriet Young, soprano. Madeline Marshall, pianist. George Dunstan, baritone. Mary Lackland, violinist, accompanied by Catherine Widman.

WFAA—DALLAS, TEX.
(476 METERS.)

SUNDAY, MARCH 9.

6:30 to 7 p. m.—Radio Bible Class, Dr. William M. Anderson Jr., pastor First Presbyterian Church, teacher; half-hour Bible study and half-hour Gospel song.

7:30 to 9 p. m.—Service of First Unitarian Church, Dr. W. L. Sullivan speaking and choir and solo numbers broadcast from the church.

9 to 9:30 p. m.—Address, Dr. George W. Truett, pastor First Baptist Church, "The Growing Influence of Christianity in the World Today."

9:30 to 11 p. m.—Jack Gardner's Orchestra in popular music program.

MONDAY, MARCH 10.

8:30 to 9:30 p. m.—Symphony Six, an orchestra; Tom D. Collins, manager; in old favorites and new fancies.

TUESDAY, MARCH 11.

8:30 to 9:30 p. m.—The Trio Club of Dallas; Mrs. Mayme Polson Wynne, director.

11 to 12 p. m.—Circle Theater Orchestra; George W. Caldwell, director.

WEDNESDAY, MARCH 12.

12:30 to 1 p. m.—Musical program presenting the Red-Head Girl of the Dallas Journal editorial staff.

Station WFAA will be silent for the remainder of the day.

THURSDAY, MARCH 13.

8:30 to 9:30 p. m.—Musical program by band and glee club from North Texas Agricultural and Mechanical College, Arlington, Tex.

FRIDAY, MARCH 14.

8:30 to 9:30 p. m.—Varied program. orchestra, presented by employees of the General Electric Co. at Dallas; L. T. Blaisdell, district manager.

SATURDAY, MARCH 15.

8:30 to 9:30 p. m.—Piano recital presenting Elizabeth Gay Jones, one of 19 Dallas pianists who will be in massed piano recital May 1.

11 to 12 p. m.—Dance music of the Adolphus Hotel Orchestra; Lawrence Morrell, director; broadcast from the Adolphus Hotel Junior ballroom.

WGR—BUFFALO, N. Y.
(319 METERS)

MONDAY, MARCH 10.

8:50 p. m.—Address, "Schools of Buffalo," by E. C. Hartwell, Superintendent of Schools.

9 p. m.—Musical program given by the employees of the Merchants' Mutual Casualty Co., Buffalo, N. Y., under the personal direction of C. W. Brown, featuring the Merchants' Mutual Orchestra, Alphonse Schneider, director; assisting artists, Miss Mildred Keilling, pianist; Miss Julia Jennings, pianist; Miss Genevieve Abrahams, soprano; Mrs. W. H. F. Tenny; Edward H. Brusio, baritone.

11 p. m.—Supper music, Vincent Lopez Hotel Statler Dance Orchestra.

TUESDAY, MARCH 11.

8 p. m.—"Phone Pressure Method of Resuscitation," through the courtesy of National Electric Light Association.

9 p. m.—Musical program arranged by Miss Bertha Drescher, soprano, presented by some of her pupils, and assisted by the following: Evelyn Edith Smith, pianist; Ruby Arline Pierce, xylophonist; Ambrose Keet, baritone; Alice Swartz, pianist.

10:15 p. m.—Address, "Thrill and Home Building as an Americanization Plan," by Ann E. Rae, president of the United States League of Savings and Loan Associations, under the auspices of the Buffalo Real Estate Board.

11 p. m.—Supper music, Vincent Lopez Hotel Statler Dance Orchestra.

THURSDAY, MARCH 13.

7:30 p. m.—Digest of the day's news. Second broadcasting of all day reports. Industrial employment bulletin. The American Boy story.

FRIDAY, MARCH 14.

9 p. m.—Musical program given by the educational department of the Central Y. M. C. A., under the direction of Archibald Hoffman, acting educational director.

10:45 p. m.—Address, "The Security Value of Home," by Ralph E. Johnson of S. W. Strauss & Co., through the auspices of the Buffalo Real Estate Board.

11 p. m.—Supper music, Vincent Lopez Hotel Statler Dance Orchestra.

WGY—SCHENECTADY, N. Y. (380 METERS.)

SUNDAY, MARCH 9.

10:30 a. m.—Service of Scotia Baptist Church; sermon by the Rev. Nelson Reynolds.

3:30 p. m.—Program by WGY Symphony Orchestra; Mrs. Edwin Newkirk, contralto, soloist.

7:30 p. m.—Memorial service of Truth Lodge, 288, Knights of Pythias, at Scotia Baptist Church.

MONDAY, MARCH 10.

7:45 p. m.—Program by Crack-a-Jack Four; Frank Benz, violinist; Helen Grose, reader; George A. Lauterborn, pianist.

TUESDAY, MARCH 11.

7:45 p. m.—Two-part minstrel show by Georgia Minstrel Boys.

WEDNESDAY, MARCH 12.

6:30 p. m.—Adventure story, courtesy Youth's Companion.

THURSDAY, MARCH 13.

7:45 p. m.—Comedy, "Spring Cleaning," by Frederick Lonsdale, by special arrangement with The Selwyns, Inc., presented by the WGY Players.

FRIDAY, MARCH 14.

7:45 p. m.—G-E Night, program by Schenectady General Electric talent, including the G-E Band, a ladies' sextet, male quartet and instrumental quintet; addresses by J. G. Barry, vice president General Electric, and C. E. Eveith, manager of Schenectady Works.

10:30 p. m.—Program by WGY Orchestra.

SATURDAY, MARCH 15.

9:30 p. m.—Dance music by Romano's Orchestra, New Kenmore Hotel, Albany, N. Y.

WHAS—LOUISVILLE, KY.
(400 METERS)

SUNDAY, MARCH 9.

9:57 a. m.—Organ music.

10 a. m.—Church service under the Station WHB.

auspices of the Broadway Baptist Church, the Rev. Dr. Russell Johnson Pirkey, pastor; H. U. Goodwin, organist and choir director; Mrs. Roy N. Downs, soprano; Charles Barnes, tenor; William C. Burger, baritone.

4 to 5 p. m.—Concert under the auspices of Violette M. Code of Minneapolis, Minn., assisted by Miss Virginia Sapp of Hawesville, Ky.

TUESDAY, MARCH 11.

7:30 to 9 p. m.—Full concert by Al Gorman's Novelty Orchestra; Al Gorman, piano and director; Homer Muth, trombone; Ray Amberg, drums; Robert A. Short, tuba; Dr. Robert E. Violette, director; Mrs. Roy N. Downs, soprano; Charles Barnes, tenor; William C. Burger, baritone.

THURSDAY, MARCH 13.

8 p. m.—Quartet, Glee Club and Band numbers by Western Reserve University of Cleveland; Miss Marie Gorman, contralto; Jerome Gross, violin, and piano; Ray Amberg, drums; Robert A. Short, tuba; Dr. Robert E. Violette, director; Mrs. Roy N. Downs, soprano; Charles Barnes, tenor; William C. Burger, baritone.

9:15 p. m.—Harold R. Smith and his University Orchestra—dance program.

WJAX—CLEVELAND, O.
(390 METERS)

TUESDAY, MARCH 11.

7 p. m.—Bedtime story: Cleveland Zither Club; Cleveland Singing Society; Nathan de Harack, baritone; Dr. Robert E. Violette, director; Mrs. Roy N. Downs, soprano; Charles Barnes, tenor; William C. Burger, baritone.

THURSDAY, MARCH 13.

8 p. m.—Quartet, Glee Club and Band numbers by Western Reserve University of Cleveland; Miss Marie Gorman, contralto; Jerome Gross, violin, and piano; Ray Amberg, drums; Robert A. Short, tuba; Dr. Robert E. Violette, director; Mrs. Roy N. Downs, soprano; Charles Barnes, tenor; William C. Burger, baritone.

9:15 p. m.—Harold R. Smith and his University Orchestra—dance program.

WJAZ—CHICAGO, ILL.
(448 METERS)

SUNDAY, MARCH 9.

6 to 9 p. m.—Concert by children of 12 years and under; Oriole Orchestra.

TUESDAY, MARCH 11.

10 p. m. to 1 a. m.—Horace Loebl, soprano; William Dillon, baritone; Amanda C. Burhop, pianist; Oriole Orchestra.

WEDNESDAY, MARCH 12.

10 p. m. to 1 a. m.—Carolyn Johnson, contralto and pianist; Dorothy Gross, violinist; Edward Ludin, tenor; Oriole Orchestra.

THURSDAY, MARCH 13.

10 p. m. to 1 a. m.—Program will be given by the Medinah Chantry, a chorus of 25 men. The program is under the direction of Arthur W. Jones, director of the Medinah Chantry, and will consist of solo, duet, quartet and chorus numbers interspersed with the piano and violin. Popular numbers by the Oriole Orchestra.

FRIDAY, MARCH 14.

10 p. m. to 1 a. m.—Ann Kelly, soprano; Frank Greif, tenor; Laura E. Elberg, pianist; Henry Kellogg, xylophonist; Oriole Orchestra.

SATURDAY, MARCH 15.

10 p. m. to 1 a. m.—A program of popular music, vocal and instrumental, will be given under the direction of Walter Wilson.

WHAZ—TROY, N. Y.
(380 METERS)

MONDAY, MARCH 10.

9 p. m.—Address (in French), "Usefulness to an Engineer of Studying a Foreign Language," Arthur de Pierpont, B. A., professor of romance languages and literature, Rensselaer Polytechnic Institute.

9:15 p. m.—Concert by quartet of Fifth Avenue Baptist Church, Troy, N. Y.; Miss Eva C. Lewis, director and accompanist; soprano, Mrs. Norma Cavalcia; contralto, Miss Helen Ford; tenor, William A. Scott; bass, Theron Reynolds.

10:15 p. m.—Address, "History of Arctic Exploration," Dr. J. Lewi Donhauser.

12 midnight—Monthly transcontinental and international concert by the Rensselaer Polytechnic Institute Students' Symphony Orchestra; A. Olin Niles, conductor, and R. P. L. Glee Club, Prof. John B. Shirley, director.

WHB—KANSAS CITY, MO.
(411 METERS)

SUNDAY, MARCH 9.

2 to 3 p. m.—Sunday afternoon musical concert by the Sweeney Radio Orchestra.

8 to 10 p. m.—Sunday evening services from the Westport Methodist Church, Washington boulevard and Fortieth street, Kansas City, Mo. Sweeney Orchestra concert: Selected classical and sacred music from the Sweeney Studio. Sunday midnight program: A one-hour program for the listeners in the extreme West.

MONDAY, MARCH 10.

7 to 7:30 p. m.—Educational program especially for the younger folks, given by Miss Lenore Anthony, courtesy of the Book of Knowledge.

TUESDAY, MARCH 11.

8 to 10 p. m.—Program by the Co-operative Club of Kansas City, Mo., featuring Dr. Ambert Haley's orchestra and Mrs. William E. Lyons.

WEDNESDAY, MARCH 12.

7 to 7:30 p. m.—Program given by the Central Junior High School, Kansas City, Kan., under the supervision of Ada L. Richards, director of music, who will play accompaniments.

THURSDAY, MARCH 13.

8 to 9 p. m.—Program given by the Boys' Hotel Dramatic Player. Minstrel Show, under the direction of Miss Edna Gales.

FRIDAY, MARCH 14.

7 to 7:45 p. m.—Popular selected music by the Sweeney Radio Orchestra, and radio talk by John T. Schilling of Radio WHB.

WJY—NEW YORK, N. Y.
(405 METERS)

SUNDAY, MARCH 9.

2:30 p. m.—Radio Bible Class; Bible lesson, address and musical program.

3:30 p. m.—Operatic and Spanish concert, La Favorita Opera Company; Francesca Catalina, soprano; Eusebio Bianco, baritone; Ana Sarmiento, soprano; Antonio Petrucci, tenor; Violet Conkling, flute; Aimee Williams, pianist.

8:45 p. m.—Sunday evening concert by the Waldorf-Astoria Symphonic Orchestra, under the direction of Joseph Knecht.

10:30 p. m.—Madame Josephine Battistelli, soprano.

TUESDAY, MARCH 11.

7:45 p. m.—Impersonations by Mr. E. Maurice Merriford.

8:15 p. m.—Clara Du Val, soprano, accompanied by Lorna Lee.

8:30 p. m.—A review of plays by Bertha Brainerd.

8:45 p. m.—Clara Du Val, soprano, accompanied by Lorna Lee.

9 p. m.—Concert by the New York Times Band.

10 p. m.—Ellsworth B. Morn, baritone; Herbert E. Rector, tenor.

THURSDAY, MARCH 13.

7:30 p. m.—Burr McIntosh, the Cheerful Philosopher.

7:50 p. m.—Stanley Gottlieb, tenor; Etta Stein, soprano.

8:05 p. m.—"Gold," by Innis Brown, editor of the American Golfer.

8:20 p. m.—Stanley Gottlieb, tenor; Etta Stein, soprano.

8:30 p. m.—Time Questionnaire by Time.

8:45 p. m.—Stanley Gottlieb, tenor; Etta Stein, soprano.

9 p. m.—Concert by the Tuesday Music Club of Douglastown, L. I.; two-plate work; Trios-Quartet.

FRIDAY, MARCH 14.

7:30 p. m.—Ralph W. Barber, bass.

7:50 p. m.—Frank Shevitt, "Income Taxes."

8 p. m.—The work of the New York Assembly, by the Hon. Julius Berg.

8:15 p. m.—Violin recital by Michael Hoffman, direct from Carnegie Hall, Tschakowsky Bureau.

10 p. m.—Musical glass concert by Charles Wold.

10:30 p. m.—Breaux and Tobias, popular program.

WJZ—NEW YORK, N. Y.
(455 METERS)

SUNDAY, MARCH 9.

11 a. m.—Church service direct from the St. Thomas Episcopal Church, with sermon by the Rev. Dr. E. M. Stiles.

7 p. m.—Ralph Mayhew's "Double Book Stories."

7:30 p. m.—John Hepler, pianist.

WEEKLY RADIO PROGRAMS

SUNDAY, MARCH 9.

11:30 p. m.—The Annals of the Talk for Men, by the annalist of the New York Times.

8 p. m.—Sunday evening concert by Hotel Commodore, under the direction of Bernhard Levoy, director of the main foyer of the Hotel Commodore.

9 p. m.—Joint recital by Randall Brown, baritone, and Madame Ida Calkins.

MONDAY, MARCH 10.

8 p. m.—Jean Englis, soprano, accompanied by Lou Breaux.

9 p. m.—Piano organ recital direct from the Hotel Astor.

10 p. m.—Dinner of the Japan Society, direct from the Hotel Astor; Ambassador Masanao Hanbari, Ambassador from Japan, guest of honor; Henderson, president of the Japan Society, toastmaster; Hon. Charles Sumner, chairman.

10 p. m.—Dance program by Ben and his Moulin Rouge Orchestra, direct from the Moulin Rouge.

TUESDAY, MARCH 11.

8 p. m.—Supper music by Paul and his Moulin Rouge Orchestra.

9 p. m.—Concert by the American Social Society, Chalmers Clifton, director, direct from Cooper Union.

10 p. m.—Abigail E. Benator, soprano.

10 p. m.—Time signals and weather broadcast transmitted from the Government NAA at Arlington.

10 p. m.—Dance program by the Astor Grill Orchestra; Al Epps, director.

WEDNESDAY, MARCH 12.

8 p. m.—E. T. Le Lure, baritone.

9 p. m.—George Laval Chesterton, "I of Africa and Golden Jews."

10 p. m.—Mr. and Mrs. Herbert Brown in violin and piano recital.

10:30 p. m.—Mr. and Mrs. Stanley Mills With Music, with Miss Ruth Mason.

10:30 p. m.—Dance program by Emil and his Moulin Rouge Orchestra, directly from the Club Trocadero.

THURSDAY, MARCH 13.

10 p. m.—Dance program by Jules and his Rosemont Orchestra.

10 p. m.—"Problems of Crime," by Dr. P. Fairchild of New York University.

10 p. m.—Special evening radio broadcast on the Wanamaker Auditorium.

10:30 p. m.—United States Army night.

10:30 p. m.—Dance program by Theodore Hotel Majestic Orchestra, direct from the blue room of the Hotel Majestic.

FRIDAY, MARCH 14.

11 p. m.—Lucille Clemens, pianist.

10 p. m.—Louis Hann, baritone, accompanied by Creighton Allen.

10 p. m.—Time signals and weather broadcast transmitted from the Government NAA at Arlington.

10 p. m.—"Stories from O. Henry."

10:15 p. m.—Louis Hann, baritone.

10:30 p. m.—Dance program by Paul and his Alamo Hotel Orchestra.

SATURDAY, MARCH 15.

11 p. m.—Concert by the Western Boy Band.

10:15 p. m.—Dr. Alfred N. Goldsmith, director of Research of the Radio Corporation of America, "Following Its Vocation," one of the "Highlights of our Radio Broadcasting" series.

10 p. m.—"China Today," by Helen Sprad.

10:30 p. m.—"Mignon," by the Grand Society of New York.

10:30 p. m.—Dance program by Ben and his Moulin Rouge Orchestra, direct from the Moulin Rouge.

SUNDAY, MARCH 9.

10:30 a. m. to 12 m.—Morning service, South Congregational Church.

10:45 to 4:45 p. m.—Vesper service, First Baptist Church, St. Paul.

10:45 to 1:45 p. m.—Evening service, Second Church of Christ, Scientist.

10:45 to 9:15 p. m.—Service from Hennepin Avenue Methodist Episcopal church.

10:30 to 10:45 p. m.—Musical program Third Regiment Band of Fort Snelling.

MONDAY, MARCH 10.

10:30 to 7 p. m.—Dinner concert, Minneapolis Athletic Club Orchestra.

10:30 to 8:15 p. m.—Lectures: "Garden of Eden and Sweet Peas," G. C. Brown; "What Panama Canal Has to do with Railroads," J. G. Woodworth.

TUESDAY, MARCH 11.

10:30 to 7 p. m.—Dinner hour concert, Minneapolis Athletic Club Orchestra.

10:30 to 8:15 p. m.—Farm Lectures: "What New Fruits are Doing for Minnesota," Prof. W. H. Alderman; "Relation of Chemistry to National Defense," Dr. R. Frankforter.

10:30 to 8:15 p. m.—Lectures: "Fables and Ideas About Fruits," Robt. C. Brown; "What Einstein's Relativity Theory Means," W. W. Clark; "My Experience With Home Fruits," V. L. Rush.

WEDNESDAY, MARCH 12.

10:30 to 8:15 p. m.—Lectures: "Fables and Ideas About Fruits," Robt. C. Brown; "What Einstein's Relativity Theory Means," W. W. Clark; "My Experience With Home Fruits," V. L. Rush.

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—Continued

WJAX—CLEVELAND, O.
(390 METERS)

TUESDAY, MARCH 11.
7 p. m.—Bedtime story: Cleveland Zither Club; Cleveland Singing Society; Nathan de Harnack, baritone; Big Brother Quartet; Sereaders Orchestra.
THURSDAY, MARCH 13.
8 p. m.—Quartet, Glee Club and Jazz Band numbers by Western Reserve University of Cleveland; Miss Marie Simmelink, contralto; Jerome Gross, violin, and a short talk by Dr. Robert E. Vinson, president of the university.
9:15 p. m.—Harold B. Smith and his University Orchestra—dance program.

WJAX—CHICAGO, ILL.
(448 METERS)

SUNDAY, MARCH 9.
6 to 9 p. m.—Concert by children of 12 years and under; Oriole Orchestra.
TUESDAY, MARCH 11.
10 p. m. to 1 a. m.—Hortense Lechler, soprano; William Dillon, baritone; Amanda C. Burhop, pianist; Oriole Orchestra.
WEDNESDAY, MARCH 12.
10 p. m. to 1 a. m.—Carolyn Johnson, contralto and pianist; Dorothy Green, violinist; Edward Ludin, tenor; Oriole Orchestra.
THURSDAY, MARCH 13.
10 p. m. to 1 a. m.—Program will be given by the Medinah Chanters, a chorus of 25 men. The program is under the direction of Arthur W. Jones, director of the Medinah Chanters, and will consist of solo, duet, quartet and chorus numbers interspersed with the piano and violin. Popular numbers by the Oriole Orchestra.
FRIDAY, MARCH 14.
10 p. m. to 1 a. m.—Ann Kelly, soprano; Frank Greif, tenor; Laura K. Elberg, pianist; Henry Kellogg, saxophone; Oriole Orchestra.
SATURDAY, MARCH 15.
10 p. m. to 1 a. m.—A program of popular music, vocal and instrumental, will be given under the direction of Walter Wilson.

WJY—NEW YORK, N. Y.
(405 METERS)

SUNDAY, MARCH 9.
2:30 p. m.—Radio Bible Class; Bible lesson, address and musical program.
3:30 p. m.—Operatic and Spanish concert, La Favorita Opera Company—Francesca Catalina, soprano; Eumenio Blanco, baritone; Ana Sarmiento, soprano; Antonio Petrucci, tenor; Violet Jonking, flute; Almee Williams, pianist.
8:45 p. m.—Sunday evening concert by the Waldorf-Astoria Symphonic Orchestra, under the direction of Joseph Mecht.
10:30 p. m.—Madame Josephine Bettel, soprano.
TUESDAY, MARCH 11.
7:45 p. m.—Impersonations by Mr. S. Maurice Merrifield.
8:15 p. m.—Clara Du Val, soprano, accompanied by Lorna Lea.
8:30 p. m.—A review of plays by Berna Brainard.
8:45 p. m.—Clara Du Val, soprano, accompanied by Lorna Lea.
9 p. m.—Concert by the New York Ames Band.
10 p. m.—Ellsworth B. Morris, baritone; Herbert E. Rector, tenor.
THURSDAY, MARCH 13.
7:30 p. m.—Burr McIntosh, the Cheerful Philosopher.
7:50 p. m.—Stanley Gottlieb, tenor; Ita Stein, soprano.
8:05 p. m.—"Golf," by Innis Brown, director of the American Golfer.
8:20 p. m.—Stanley Gottlieb, tenor; Ita Stein, soprano.
8:30 p. m.—Time Questionnaire by me.
8:45 p. m.—Stanley Gottlieb, tenor; Ita Stein, soprano.
9 p. m.—Concert by the Tuesday Music Club of Douglastown, L. I.; two-piano work; Trios-Quartet.
FRIDAY, MARCH 14.
7:30 p. m.—Ralph W. Barber, bass.
7:50 p. m.—Frank Shevitt, "Income Tax."
8 p. m.—The work of the New York assembly, by the Hon. Julius Berg.
8:15 p. m.—Violin recital by Michael Hoffman, direct from Carnegie Hall, Chaikowsky Bureau.
9 p. m.—Musical glass concert by Arles Wold.
9:30 p. m.—Breaux and Tobias, popular program.

WJZ—NEW YORK, N. Y.
(455 METERS)

SUNDAY, MARCH 9.
1 a. m.—Church service direct from St. Thomas Episcopal Church, with music by the Rev. Dr. E. M. Stires.
3 p. m.—Ralph Mayhew's "Bubble Gum Stories."
5:30 p. m.—John Hepler, pianist.

RADIO PROGRAMS for the WEEK—Continued

LOCAL BROADCASTING NEXT WEEK

K S D—550 KILOCYCLES—546 METERS

SUNDAY, MARCH 9, 9:00 P. M.—Missouri Theater Orchestra Concert and specialties broadcast direct from the theater.
MONDAY, MARCH 10, 8:30 P. M.—Music program broadcast direct from the Grand Central Theater.
TUESDAY, MARCH 11, 8:00 P. M.—Mrs. Evelyn D. Fraley, soprano; Mrs. May Parker, mezzo-soprano; Ethlyn Fay, soprano; Mrs. Lilo Cantor and Arthur Lieber, pianists. Addresses by Charles Stookey Jr. and Prof. T. Emmett Reynolds, S. J.
11:30 P. M.—Mrs. Carroll Smith, soprano; Miss Agnes Gray, violinist; Vernon Henshie, pianist.
WEDNESDAY, MARCH 12, 7:00 P. M.—Program of Abergh's Concert Ensemble, Arne Arnesen, violinist; broadcast direct from Hotel Statler.
9:00 P. M.—Studio program by Mrs. Ruth Haslett Wunder, soprano; Kenneth Buchanan, tenor; Mrs. Kenneth Buchanan and Paul Fries, pianists.
11:00 P. M.—Broadcasting direct from Hotel Statler, dance music played by Rodemich's Orchestra.
THURSDAY, MARCH 13, 8:00 P. M.—Broadcasting the concert given by the St. Louis Symphony Orchestra, Rudolph Ganz, conductor, at the Odeon.
FRIDAY, MARCH 14, 8:00 P. M.—Broadcasting music and address at Railroad Club annual meeting at Hotel Statler. Address by Mal E. H. Armstrong.
SATURDAY, MARCH 15, 9:00 P. M.—Missouri Theater Orchestra concert and specialties broadcast direct from the theater.

W M A Y—KING'S HIGHWAY PRESBYTERIAN
CHURCH—1050 KILOCYCLES—280 METERS

SUNDAY, MARCH 9, 11:00 A. M.—Regular services, Rev. H. H. Forsyth preaching, title, "On Saving Time." Soprano solo, "Lead Kindly Light."
2:00 P. M.—Radio Bible Class. Devotional progress in charge of Girls' Department; Mrs. John L. McDowell, supt. Lesson subject: "How Prayer Makes Supremacy." Text: Eph. 6:18.
8:00 P. M.—Regular services, Rev. H. H. Forsyth, preaching. Tenor solo, "Consider and Hear Me." Anthem, "Comfort, O Comfort Divine."
TUESDAY, MARCH 11, 7:30 P. M.—Program furnished by the Epworth League of Mt. Auburn M. E. Church.

W C K—825 KILOCYCLES—360 METERS

MONDAY, MARCH 10, 7:00 P. M.—Piano solo by Stanley Dougherty, soprano solo by Mrs. Alice G. Duggan; address by Wallace C. Capen on use of oil in home heating; two addresses on government aid for Germany, by Richard Bartholdi and Mayor Kiel.
WEDNESDAY, MARCH 12, 8:00 P. M.—Children's program, consisting of vocal and instrumental numbers and recitations, by Marion Goodin, Katherine Butler, Alice Hannegan, Irene Baker, Muriel Kuba, Betty Phlegley, Robert Jones, Evelyn Frohock, Roy Paul. One-act sketch, Robert Jones and Kathleen Jacobs. Address on St. Louis water supply, by Commissioner Wall. Addresses by Eabih Sale and J. F. O. Keller on "Seasons for Saving Germany's Next Generation."
FRIDAY, MARCH 14, 7:00 P. M.—Violin solo by Mrs. W. E. Johnston, cello solo by J. Blam Scott, contralto solo by Mrs. A. E. Cornetius. Address by Fred Lowe, editor of "Power." Addresses by the Lubley on government aid for Germany.
AFTERNOON PROGRAMS
Monday, Tuesday, Wednesday, Thursday and Friday at 3:00 P. M. Addresses by Mrs. Philip N. Moore, Mrs. F. H. Littlefield, Mrs. Harry E. Wagoner, Mrs. John S. Payne and Mrs. G. V. R. Mechin (one address each day).

W E W—ST. LOUIS UNIVERSITY—261 METERS

SUNDAY, MARCH 9, 1:00 P. M.—Lecture, "The Foundation of Catholic Faith," by Rev. Charles Crotty, S. J. of St. Louis University.

9:15 p. m.—Business message.
9:30 p. m.—Musical concert: Arcana Male Quartet; Vernon Wick, boy contralto.

THURSDAY, MARCH 13.

6 to 6:15 p. m.—Geo. Shaw Cooke, C. S. E., member of Board of Lectureship of Mother Church, the First Church of Christian Science at Boston, Mass.
6:15 to 7 p. m.—Minneapolis Athletic Club Orchestra.

FRIDAY, MARCH 14.

7:30 to 8:15 p. m.—Farm Lectures: "Are Permanent Pences Possible?," R. E. Saberson; "Relation of Chemistry to the Home," Alice M. Childs.

FRIDAY, MARCH 14.

6 to 6:30 p. m.—C. A. Neavies, "Church League Basketball."
7:30 to 8:15 p. m.—Farm lectures: "Fruit-Growing Suggestions for 1924," Roger S. Mackintosh; "Questioning Evidence of Einstein's Relativity Theory," W. W. Clark.
8:15 p. m.—Business message.

9:30 to 10:45 p. m.—Musical program arranged by Radio Dealers' Association; Robert Morken's Boys' Orchestra.

SATURDAY, MARCH 15.

7:30 to 8:15 p. m.—Business message.
8:15 to 10:15 p. m.—Program by St. Paul Kiwanis Club.
10:15 p. m. to 12:30 a. m.—Dance program by St. Paul Athletic Club Orchestra; A. E. Salinger, baritone.

WLV—CINCINNATI, O.
(309 METERS)

9:30 a. m.—School conducted by the editorial staff of Sunday school publications of the Methodist Book Concern.
11 a. m.—Services of the Church of the Covenant; Dr. Frank Stevenson, minister.
7:45 p. m.—Services of the Evangelical Lutheran Emmaus Church, Rev. P. L. Dannenfeldt, pastor.

MONDAY, MARCH 10.

8 p. m.—College of Music students in "An Hour With Beethoven." Biographical sketches and descriptive readings by Mr. Fred Smith, studio director, and Estelle Whitney, teacher of dramatics, at the Schuster-Martin School. Violin solos by Miss Ruth Morris and William C. Stoess. Piano solos and accompaniments by Misses Rosemary Ellerbrook and Dorothy O'Brian. Orpheus String Quartet: Messrs. W. C. Stoess, first violin; Karl A. Payne, second violin; Milton Dockweiler, viola, and Arthur Knecht, cello. Croyle Theatrical Review. George Webb's Hawaiian Entertainers. Entertainment by the Woody Meyers Dance Orchestra. Miss Margaret Baker will sing several songs, accompanied by Mrs. J. N. Beck.

TUESDAY, MARCH 11.

10 p. m.—Program arranged by Mrs. Leonore Pilgrim Schwab, assisted by Mrs. Ralph Reed Asbury at the piano. Quartet. Lockwood's Society Orchestra. Miss Margaret Baker will sing several songs, accompanied by Mrs. J. N. Beck.

WEDNESDAY, MARCH 12.

8 p. m.—Band concert by the Tenth

Infantry Band, under the direction of Warrant Officer Ernest G. Fleher. Miss Coleta Helmig, accompanied by Mr. Arthur H. Graefenhan in a program of favorite Jenny Lind songs. Saxophone solos by A. H. Graefenhan, with accompaniment by Georgia Smayor. Instrumental trio in a program of favorite old melodies. William C. Stoess, violinist; M. Houston, cellist; Rosemary Ellerbrook, pianist. Tenth Infantry Band.

THURSDAY, MARCH 13.

7:30 to 8:15 p. m.—Special concert given by the "Phi Beta" Sorority of the Cincinnati Conservatory of Music; Nelle Slayback, Lyda Clarke Darlington, La Rue Loftin, Marian Lindsay, Agnes Trainor, Ensemble (two pianos); Arlene Page, Irene Gromme, Hildred Gravel, La Rue Loftin.

FRIDAY, MARCH 14.

Special selections for the Credit Men's Association banquet by Emma Wellman Hoff, contralto, assisted at the piano by Lydia Rockel.

SATURDAY, MARCH 15.

Popular dance program by Doherty's Melody Boys: F. A. Pendergast, piano; Ridge Bludin, trumpet; Leo Bludin, saxophone; Bake Holthaus, drums; Harry Kennedy, trombone; J. L. Doherty, banjo and manager.

WMC—MEMPHIS, TENN.,
(500 METERS.)

MONDAY, MARCH 10.
8:30 p. m.—Concert by the Hotel Gayoso Hotel Orchestra. Prof. Gaspar Popalardo directing.

TUESDAY, MARCH 11.

8:30 p. m.—A concert will be given by Mrs. Ed Neal and several other artists from Forrest City, Ark.
11 p. m.—A midnight frolic will be given by Hines Tennesseans, A. G. Hines directing.

WEDNESDAY, MARCH 12.

Silent.

THURSDAY, MARCH 13.

8:30 p. m.—Concert by the Chisca Hotel Orchestra, Miss Clara Ahern directing.

FRIDAY, MARCH 14.

8:30 p. m.—Concert will be given by Bob Yates and company.
11 p. m.—A midnight frolic will be given by Britling Orchestra, Frank Braccante directing.

SATURDAY, MARCH 15.

8:30 p. m.—Concert will be given by Mrs. Arthur Bower and company.

WOAW—OMAHA, NEB.
(526 METERS.)

SUNDAY, MARCH 9.
9 a. m.—Radio chapel service conducted by Rev. R. R. Brown of the Omaha Gospel Tabernacle, 2006 Douglas street, and minister of the Sunday Morning Radio Congregation, and his associates.

2:30 p. m.—Musical program presented by St. Cecilia's Cathedral Choir; Dr. R. Mills Selby, organist and choir director.
6 p. m.—Bible study hour under personal direction of Mrs. Carl R. Gray.

9 p. m.—Musical chapel service presented by Temple Israel; Frederick Cohn, rabbi; Vernon C. Bennett, organist and choir director. Auspices Woodmen of the World.

MONDAY, MARCH 10.

6:30 p. m.—Dinner program presented by Handall's Royal Orchestra; transmitted from Handall's Store Restaurants.
9 p. m.—Program arranged by Lee G. Kratz, prominent vocal instructor. Auspices Corn Exchange National Bank.

TUESDAY, MARCH 11.

6:30 p. m.—Dinner program presented by Carl Lamp's Orchestra of Keep's Dancing Academy.
9 p. m.—Program by courtesy of the Omaha Chapter of Isaac Walton League, arranged by Harry B. Fitch. Auspices Omaha National Bank and Omaha Trust Co.

THURSDAY, MARCH 13.

6 p. m.—Every Child's Story Hour, conducted by Grace Sorensen, editor and publisher of Every Child's Magazine.
6:30 p. m.—Dinner program presented by Hugo Heyn's Orchestra.

9 p. m.—Program by courtesy of John Clay & Co., livestock commission merchants; W. E. Reed, manager. Auspices Mid-West Electric Co.

FRIDAY, MARCH 14.

6 p. m.—Dinner program presented by Tarkio (Mo.) Band; C. Howard Duncan, director.

SATURDAY, MARCH 15.

6:30 p. m.—Dinner program presented by Francis Potter's Mandolin Quartet; banjo and mandolin solos, Francis Potter (prominent instructor); vocal solos, Mrs. Francis Potter.

9 p. m.—Program arranged by Stanley Jan Letovsky, prominent pianist and instructor. Auspices Hannon-Van Brunt company.

WOC—DAVENPORT, IOWA
(484 METERS.)

SUNDAY, MARCH 9.

8 p. m.—Church service. Rev. R. C. Stowe, pastor Central Church of Christ, Clinton, Ia. Vocal solos to be announced.
9:30 p. m.—Musical program (1 1/2 hours), Erwin Swindell, musical director. P. S. C. Orchestra, Gerald M. Barrow, director. Mrs. R. M. Harper, soprano; Charles Kerns, tenor.

MONDAY, MARCH 10.

7 p. m.—Educational lecture, under the auspices of the Masonic Service Association; subject, "The Immortality of the Soul," by Rev. Daniel Hogan of Clinton, Ia., past grand chaplain, Grand Lodge of Iowa.
10 p. m.—Musical program, Erwin Swindell, musical director. Program by the Mount Ida Presbyterian Church choir of Davenport, Ia. Mrs. Daniel Greltzing, director.

10 p. m.—Musical program, Erwin Swindell, musical director. Program under the auspices of the J. H. C. Peterson Sons' Co. of Davenport, Ia.; Miss V. Nelson, accompanist.

WEDNESDAY, MARCH 12.

7 p. m.—Educational lecture, under the auspices of the Scott County Farm Bureau; subject, "Selection and Treatment of Small Grain for Seed," by F. D. Steen of Davenport, Ia.
8 p. m.—Musical program (1 hour), Erwin Swindell, organist; Robert MacGregor, baritone.

THURSDAY, MARCH 13.

7 p. m.—Educational lecture, "The Story of Asbestos," by Ralph C. Harden, manager insulation department, Johns Manville Co.
9 p. m.—Orchestra program (1 hour), P. S. C. Orchestra, Gerald M. Barrow, director.

FRIDAY, MARCH 14.

7:20 p. m.—Sunday school lesson; international lesson for next Sunday discussed by Dr. Frank Willard Court, pastor St. John's Methodist Episcopal Church, Davenport, Ia.
8 p. m.—Musical program (1 hour), Erwin Swindell, musical director. Program by the Oriole Glee Club of Augustana College, Rock Island, Ill.; Cyril Graham, director.

SATURDAY, MARCH 15.

8 p. m.—Orchestra program (1 hour), P. S. C. Orchestra, Gerald M. Barrow, director. V. B. Roehle, baritone soloist.

WOS—JEFFERSON CITY,
MO. (440.9 METERS)

SUNDAY, MARCH 9.

7:30 p. m.—Complete religious service of the First Presbyterian Church of Jefferson City, Mo., Rev. W. Hooper Adams, pastor; Mrs. Mary Armstrong, organist; Mrs. John V. Jobe, director of vested choir, by direct wire from the church.

MONDAY, MARCH 10.

8 p. m.—Dance program presented by

